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### WHY CREDIT BUREAU EXPERIAN HAS DATA ON T-MOBILE CUSTOMERS

In the latest high-profile breach of a U.S. organization, hackers broke into Experian's database of information on 15 million T-Mobile customers and potential customers. But what is Experian, and why does the credit bureau keep data on a wireless carrier's customers?

Here's a Q&A about what happened at Experian and what could happen next.





### WHAT INFORMATION DOES EXPERIAN HAVE ON ME?

If you've applied for a credit card, mortgage, student loan or any financial product in the last three decades, Experian likely has some sort of data on you. The Consumer Financial Protection Bureau estimates Experian, Equifax and TransUnion hold records on more than 200 million Americans.

The data can be basic information like your address and birthdate. But if you've applied for credit, the agencies could know more about your financial situation than your parents or spouse do. They'll have your Social Security number, all of the banks you have credit card accounts with, the limit on those cards and if you pay them down regularly. They can know your work history, if you've had any collections or court judgments against you or if you've ever defaulted on a loan.

#### WHY COLLECT THE INFORMATION?

Banks and other lenders need to know whether you're a good borrower and pay your debts and would prefer to gather that information quickly and relatively cheaply. Credit agencies provide a storehouse of data that lenders can pull to make credit decisions. In turn, those lenders report their data back to the agencies so other lenders to have access to more data.

This ongoing database becomes known as a person's credit report. The data can be further processed into what's known as a credit score, which is a way of boiling down years of financial information into a "grade" that banks can look at to decide whether to lend to you or not.

### WHY WAS EXPERIAN COLLECTING AND HOLDING INFORMATION FOR T-MOBILE?

T-Mobile has to decide whether to allow a potential customer to open an account or to finance their newly purchased phone. Anyone applying for cell service, with some exceptions like a prepaid phone, needs to get a credit check before T-Mobile or other carriers approve service.

T-Mobile, which contracted out the credit check to Experian, says applicants from between September 1, 2013 and September 16, 2015 were affected.











### WHAT INFORMATION WAS TAKEN? WHAT SHOULD I DO?

Names, addresses, Social Security numbers, birthdates and driver's license numbers.

But Experian says the T-Mobile consumer data and its consumer credit database - the credit reports noted above - are housed on a separate server and those records were not exposed in the hack.

T-Mobile said affected consumers can sign up for two free years of credit monitoring services at www.protectmylD.com/securityincident, a service owned by Experian.

The offering of an Experian monitoring service led to protests on Twitter, and T-Mobile may announce other options for its consumers to protect their data. CEO Legere said on Twitter that contracting out Experian was the fastest way to protect customers' data, but they are working on providing an alternative.



#### WHO REGULATES THE CREDIT AGENCIES?

The federal regulator of Experian, TransUnion, Equifax and the other smaller credit agencies is the Consumer Financial Protection Bureau.

The CFPB, which was created after the 2008 financial crisis, started regulating credit agencies in September 2012. It was the first time a federal agency had weighed in on the industry.

### WILL THERE BE ANY CONSEQUENCES FOR EXPERIAN?

It is too soon to tell. The CFPB, in a statement, said they "are concerned about the recent breach of consumer information" and will be monitoring the situation. Experian could face fines and possible increased regulatory scrutiny as well if it is found liable for how the breach occurred.

And T-Mobile could stop using Experian. In a letter to customers, T-Mobile CEO John Legere had said that he was "incredibly angry" about the breach and that the company would review its relationship with Experian.

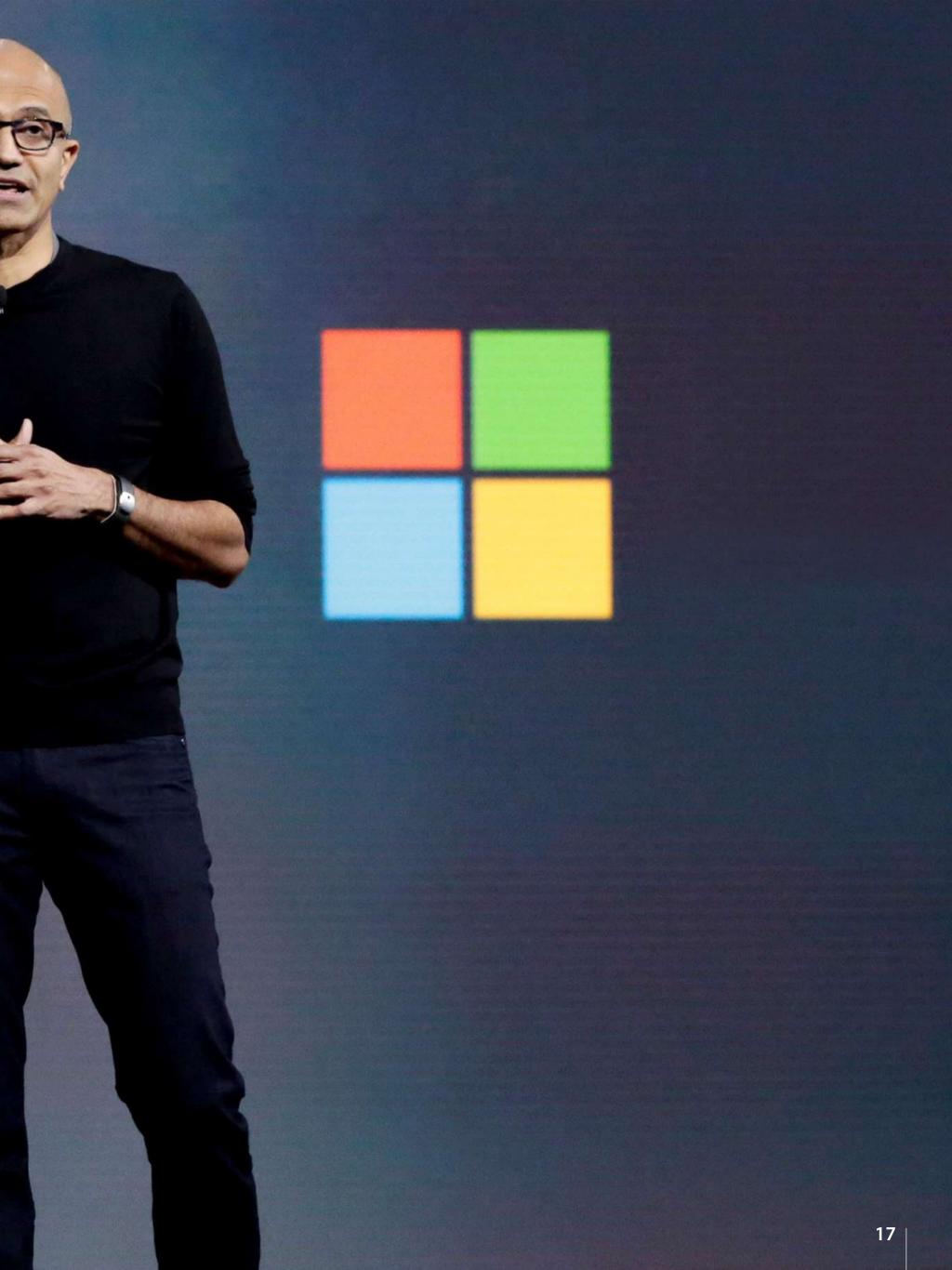
# COMPETITION FOR MICROSOFT LINEUP, VVHICH TARGETS HIGH END

The success of Microsoft's fall lineup of devices will ride on the company's ability to convince people who got free Windows 10 software upgrades this summer to spring for new devices - specifically, Windows devices.

Microsoft Corp. on Tuesday unveiled a new laptop, a tablet, three phones and a fitness tracker meant to keep people tied to its array of online services. Many of the products have impressive hardware features, but they face heavy competition from Apple and Android products.

With the new lineup, Microsoft appears to be targeting professionals, people more likely to have Windows already in their office computers. The Redmond, Washington, company is hoping to build on a successful summer launch of Windows 10, which Microsoft says is now in more than 110 million devices.









It's not about the mass market. It's about the high end of the market, said Carolina Milanesi, who heads U.S. operations for the Kantar Worldpanel ComTech research group.

In closing a nearly two-hour event in New York, CEO Satya Nadella said the latest devices are part of Microsoft's vision to move people from needing Windows to choosing Windows to loving Windows.

Microsoft for the first time appears capable of achieving that, Milanesi said.

The surprise announcement was a new Surface Book laptop, which comes after Microsoft has been touting its Surface tablets as replacements for laptops. Microsoft says the Surface Book is for scientists, engineers and gamers who need more performance than a tablet. The screen is detachable and becomes a tablet with a clipboard feel while on the go. But unlike Surface tablets with keyboard covers attached magnetically, the Surface Book's keyboard is core to the device.

The 13.5-inch laptop starts at \$1,499, compared with \$899 for the new, 12.3-inch Surface Pro 4 tablet. The Pro 4's keyboard cover costs an extra \$130. Both Surface devices will come out Oct. 26.

Although the new devices are more expensive than Apple's entry-level MacBook Air laptop and iPad tablet, Microsoft is targeting those who need more horsepower. Apple Inc. is starting to go after those customers, too, with its upcoming iPad Pro, which starts at \$799, plus \$169 for a physical keyboard. Apple already has a MacBook Pro laptop line, starting at \$1,299, for power users.

Surface sales have picked up after a rocky start.





Just two years ago, Microsoft wrote down \$900 million for losses related to its first-generation Surface RT tablet. In the most recent quarter, revenue from tablets and accessories more than doubled from a year ago to \$888 million. Although the Surface still represents a small part of Microsoft's overall business, it provides a window into the company's various adsupported services, including search and maps.

Microsoft also sought to use Tuesday's event to revive its struggling phone business. Over the summer, the company wrote down \$8.4 billion for the value of Nokia's v business, which it bought just a year earlier. It also announced 7,800 job cuts in the phone business. The new Lumia 950 and 950 XL are the first high-end Windows phones from Microsoft since February 2014, which was around the time Nadella became CEO and before Microsoft completed its purchase of Nokia.

Microsoft's Windows operating system has a tiny market share compared with Google Inc.'s Android and Apple's iOS for iPhones. That means developers tend to focus on making their apps for Android and iPhones first and might not get to Windows at all.

Instead of a me, too phone system, Microsoft is touting compatibility with Windows desktops, laptops and tablets. With an optional dock, you can attach a regular monitor, keyboard and mouse and work with apps on the phone just like you would on a Windows 10 desktop. That means you can leave your tablet or laptop at work and have a full desktop experience at home with just the phone. Microsoft is hoping to lure those who use Windows desktops and laptops regularly.





Similar to the Surface, the new phones are aimed at power users who need the flexibility to perform tasks on larger screens, along with compatibility with Windows apps they might use at work.

The new phones start at \$549 and will be available in November. Microsoft hasn't announced the dock's price. Microsoft also introduced a budget model, the Lumia 550, for \$139. These prices do not require two-year service contracts.

Microsoft has done a great job to at least get Microsoft into the conversation among consumers, (but) this is going to be a long road for Nadella as Microsoft plays major catch-up, said Daniel H. Ives, an analyst at FBR.

The new Microsoft Band fitness tracker, meanwhile, will now track elevation and work with the company's Cortana virtual assistant. It will be available for \$249 starting Oct. 30.

Microsoft also teased Xbox One games and console bundles and demonstrated its upcoming HoloLens virtual-reality device by showing a mixed reality game that combines animation with real-world objects. Attacking robots know how to break through walls and go around furniture. Developers will be able to buy a prototype early next year for \$3,000.

The HoloLens represents an opportunity to get a head start in a nascent market. Rival systems are just starting to come out.

The HoloLens represents a change from the status quo as Nadella goes after this land grab, multi-billion dollar market opportunity, lves said.





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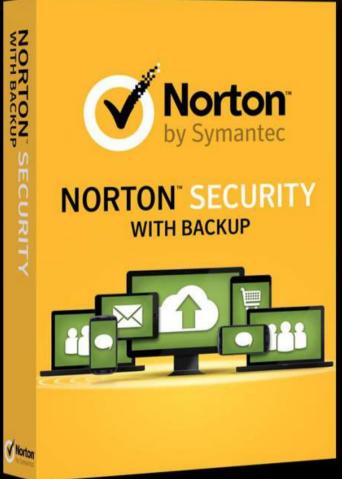
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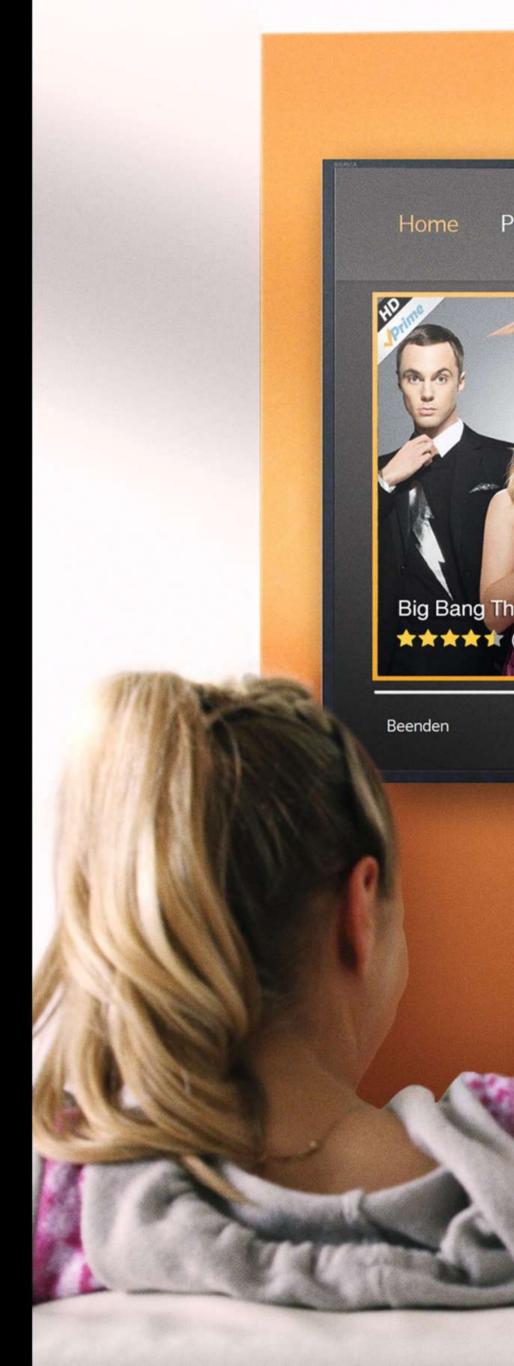
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# AMAZON TO BAN SALE OF RIVAL VIDEO STREAMING DEVICES

Amazon will stop allowing the sale of Google and Apple video-streaming devices on its site as it focuses on its own Prime Instant Video streaming service.

Prime Video has become an important part of Amazon's \$99 annual Prime loyalty membership program. The video-streaming devices sold on the site should be able to work with Prime Video, the company said Thursday.

"It's important that the streaming media players we sell interact well with Prime Video in order to avoid customer confusion," the Amazon said.





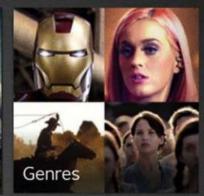
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Wählen Hilfe Suche



Along with Amazon's Fire TV, the site will still sell other companies' video-streaming devices that are compatible with Prime Video, including Roku, Xbox and PlayStation. But Apple TV and Google's Chromecast will be not be sold.

Google Inc. and Apple Inc. did not immediately respond to requests for comment

Seattle-based Amazon has been rapidly expanding its Prime Video Service, including recently inked deals to stream NBCUniversal's critically acclaimed drama "Mr. Robot" and a multiyear licensing agreement with CBS.

**Amazon.com** Inc. shares closed up \$8.83, or 1.7 percent, to \$520.72 Thursday.





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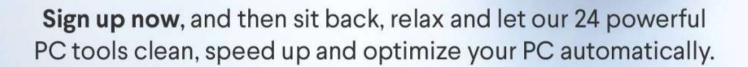
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## APPLE NAMES EX-BOEING CFO TO BOARD, DIVERSIFYING ITS RANKS

Apple has filled a void on its board of directors with James Bell, the former chief financial officer for aircraft maker Boeing Co.

Bell becomes the only African American on Apple's board, helping the iPhone and iPad maker diversify its corporate hierarchy at a time when major technology companies are under fire for not having enough women and minorities in leadership roles and in their overall workforce.

Apple Inc. already has two women on what is now an eight-director board. Two of Apple's top executives, Lisa Jackson and Denise Young-Smith, are also African Americans.



Civil rights leader Jesse Jackson, who has spearheaded the push for greater diversity in Silicon Valley, applauded Apple CEO Tim Cook for bringing Bell on to the board of the Cupertino, California, company.

"We are delighted but not surprised," Jackson said. "Tim Cook has made a wise choice. James Bell is eminently qualified."

Besides serving as Boeing's CFO during his 38year career at the company, Bell also was interim CEO in 2005. He fills a vacancy created on Apple's board when J. Crew Group CEO Millard "Mickey" Drexler relinquished his spot earlier this year.

Bell also sits on the boards of JP Morgan Chase, Dow Chemical and another technology company, CDW.





## The iPhone 6S: the best camera phone yet?

You can even shoot and edit 4K video!









With the name's sole difference of an taggedon 'S', you might have expected the iPhone 6S to represent only a minor bump-up in specs and features in comparison to the iPhone 6. However, closer inspection since the handset's launch has revealed it to be arguably the most significant 'S' release iPhone yet - and one major reason is the improved camera and camera features. Here, we take a detailed picture - pun very much intended - of what the iPhone 6S has to offer in this area.

### **MEGA INCREASES IN MEGAPIXELS**

An obvious starting point for analysis here is the rear camera. With its 8-megapixel back shooter, the iPhone 6 is no slouch for capturing detailed, high resolution imagery. That camera does, however, have the same number of megapixels as the one that shipped with the iPhone 4S four years ago. The iPhone 6S's back camera, meanwhile, sports 12 megapixels - allowing for even more detailed photography.

The front camera - the one that would probably be most commonly used for selfies and FaceTime calls - has seen a similarly significant leap, from 1.2 megapixels in the iPhone 6 to a whopping 5 megapixels in its successor. Hollywood star Selena Gomez certainly approves, judging from her thankful reaction in the iPhone 6S screen commercial that debuted at Apple's September keynote - but what differences do these cameras, particularly the back one, really bring for the rest of us? The short answer: many...

# DON'T NOTICE THE DIFFERENCE? LOOK CLOSER...

At this stage, we should probably emphasize that, for the vast majority of people who regularly take photographs using their iPhone 6S and used to do the same with an iPhone 4S, 5, 5S or 6, there will be no discernible difference in the quality of the photos. Indeed, as a camera-equipped smartphone rather than a dedicated camera, the shooters tend to be put to relatively casual use and their photos published at relatively small sizes, as on social media sites like Facebook, Twitter and Instagram.

Where the differences become much more apparent, however, is in zooming up close to or increasing the size of photos that have been taken with the new back camera. In its in-depth test comparing this camera with that of last year's iPhone 6 Plus, TechnoBuffalo has noted more intricate detail in cropped-in photos. Regardless of whether such shots are taken indoors or outdoors, the 6S Plus photos look, as the site describes, "way sharper". As can be seen **in the site's YouTube feature**, colors on the 6 Plus photos can certainly look more washed out and less vibrant.

### BUT WAIT! MEGAPIXELS DON'T TELL THE WHOLE STORY

All that said, there remain other smartphone cameras that can capture imagery in many more megapixels than the iPhone 6S. The **camera on the Nokia Lumia 1020, for example, reaches a huge 41 megapixels**. So, would it be a foregone conclusion to assume that the quality of this camera's images is significantly higher? Actually, we can reply to that with a resounding "No!"









As explained by expert photographer Ben Lovejoy for 9to5Mac, the pixel count alone is insufficient for assessing photo resolution. Camera phones of higher pixels, he adds, tend to struggle more to capture accurate imagery at low light due to their small sensors compared to sensors of more advanced DSLR and compact cameras. Often, they can try to compensate by considerably amplifying the sensor's signal. However, Lovejoy adds, amplification on a small sensor can itself adversely affect image quality.

Indeed, Tech Insider's Antonio Villas-Boas has claimed that the two best smartphone cameras are in the iPhone 6S Plus and Samsung Galaxy Note 5. He has also compared photography from the two handsets for a wide array of scenes, including low-light shots, outdoor shots and selfies, and noted how the iPhone betters the Samsung alternative in most respects. He concludes by branding the iPhone 6S Plus "the new reigning champion of smartphone cameras."

# WELL, IF IT'S GOOD ENOUGH FOR THE PROFESSIONALS...

Still, the proof of the pudding is in the eating - and, surely enough, the iPhone 6 and 6S have both been frequently used for professional photography and video productions. Earlier this year, prestige car maker Bentley **posted a behind-the-scenes video** showing how iPhone 6 and 6 Plus phones were used for the filming of its commercial for a driving jacket, while **Emmy Award-winning director Tristan Pope shot his film Romance in NYC on an iPhone 6**.





There are further examples. Earlier this year, Apple dedicated a part of its website, titled "Shot on iPhone 6", to photographs and videos of various scenes from various parts of the world. The scenes ranged from a huge wave at a Hawaiian beach, to a car racing in Bolivia, to a train in Alaska - but each of them had been captured on an iPhone 6 or 6 Plus. Many of these scenes have also appeared in print media, billboards and television commercials of Apple's global "Shot on iPhone 6" advertising campaign.

### YOU'RE EVEN MORE OK WITH 4K

As has been made clear in this article, the iPhone 6S main camera is more than suitable for creating professional standard photography and video. But, on the subject of video, the iPhone 6S can take that to an even more sophisticated level with another of its major new abilities: shooting 4K video.

4K is a staggeringly sharp resolution for video; in fact, it is four times the pixels of 1080p video. 4K videos can naturally take up a lot of storage on an iPhone 6S - as much as 300 to 400 MB per minute, or about 1 GB per three minutes. However, the huge amount of data makes it easier to significantly crop, pan, stabilize and otherwise edit a 4K video and still remain with gorgeous-looking video.

It's possible to do much editing on the iPhone 6S itself; as explained by iMore in a comprehensive guide to the handset's 4K video capabilities, the Camera or Photos app can be used for trimming, while Apple's iMovie app allows for more advanced editing, including adding themes, titles and transitions. It's also possible to share 4K video







from the iPhone - such as to YouTube, which accepts 4K uploads.

The inclusion of 4K video on the iPhone 6S goes a long way towards future-proofing the device. That's because 4K is still an emerging video standard - even television sets capable of showing 4K video are not yet typical in living rooms. Nonetheless, **4K-enabled TVs** are now hitting the market in greater numbers and at less daunting prices.

Therefore, you could find yourself watching your own 4K footage on a little black box sooner than you currently anticipate.

# THE BEST CAMERA PHONES ON THE MARKET?

So, improved back and front cameras, professional photo- and video-taking capabilities, and impressive 4K video functions, too. These are all features that many of us already cradling an iPhone 6S or 6S Plus might only fulfill, or even notice, the full potential of months - or perhaps even years - further down the line. Do all of these features collectively make the iPhone 6S and 6S Plus the best camera phones available right now? You're probably already experimenting with your new iPhone's twin cameras to judge that for yourself. Smile for the camera!

by Benjamin Kerry & Gavin Lenaghan





# HERE'S VVHY AMERICANS ARE GETTING NEVV CREDIT AND DEBIT CARDS

The battle against credit card fraud is inching forward.

As of Thursday, the liability for fraud committed using traditional MasterCard and Visa magnetic-stripe credit and debit cards will shift from banks to stores. The move is part of a drive by the banks and payment companies to get people to use the new, more secure cards embedded with computer chips.

Roughly half of all global credit card fraud occurs in the U.S. even though the country makes up only about a quarter of all credit card transactions, according to a report by Barclays earlier this month.

In part, that's because a 50-year-old technology that relies on a magnetic stripe at the back of the card, has lingered in the U.S. despite being replaced in most of the world. The weakness with this technology is that cards can be easily copied by thieves, leaving people vulnerable to fraud.

But the switch over has been slow.

While Thursday was originally targeted as the deadline to get most Americans using the new chip cards, the vast majority of transactions are still being made using the magnetic stripe.

Visa, the nation's largest payment network, said it had roughly \$11 billion in U.S. chip card transactions for the quarter ending Sept. 30. In comparison, Visa had \$631 billion in total transaction volume in the U.S. in the same quarter last year.

Most large retailers have replaced their equipment, but thousands of small businesses have not and there are still hundreds of millions of credit and debit cards that need to be replaced.

Here's what's going on with the new cards, and how this switch could affect you at the checkout counter:

# WHAT'S DIFFERENT ABOUT THESE CARDS?

The biggest difference between the old card and the new ones is the metal chip embedded on the front, which means your personal data is much safer. The chip assigns a unique code to every transaction made. That means that if a thief acquired that code, it couldn't be used to make another purchase. Chip cards are much harder, if not impossible, to duplicate. That makes them more secure than magnetic cards, which are easily copied.

But the magnetic strip won't be disappearing. All chip cards will also come with a strip in case chip readers aren't available. However, if a store does accept chip cards for purchases, you should use that option every time because it's more secure.





### **HOW DO I USE THE CHIP CARD?**

Instead of swiping your card at the checkout, you'll insert it into a machine with a slot similar to that at an ATM. Keep your card in the slot until the machine tells you to remove it. Unlike magnetic strip cards, chip cards need to be left in the reader for a few seconds to work.

# I'VE HAD MY NEW CARD FOR MONTHS. WHY IS EVERYONE TALKING ABOUT THIS NOW?

Visa and MasterCard set an Oct. 1 deadline for merchants to switch their card machines from accepting magnetic stripe to accepting both chip and traditional magnetic stripe-only cards. Retailers can opt to keep using their old magnetic stripe-reading equipment, but they will now be liable for any fraud that occurs at their stores. Banks, who used to cover the costs of fraud, are off the hook. This is known as the liability switch.

### WHEN WILL I GET ONE?

The national banks are currently in the process of issuing chip-based debit cards. Most of the regional and smaller banks will start rolling out these cards to their customers later this year. But the process could take years and some smaller banks may not replace a customers' credit card until the current card expires.







# WHERE AND WHEN CAN I USE MY NEW CHIP CARD?

You can use it now, although many stores have been slow to upgrade their equipment, despite the Oct. 1 deadline. That's because it's a significant expense to replace equipment and retrain employees. The Payment Security Taskforce, a group that represents the banks, payment companies, and some large retailers, estimates that about 40 percent of all card readers will accept chip cards by the end of the year.

### WHAT ELSE IS CHANGING?

The type of card being rolled out in the U.S. will still need a signature when you pay for something. Eventually the technology that what will be used in the U.S. will be the same as that which is used in the rest of the world, known as "chip and PIN." It would work in a similar way to your ATM card. You would insert your card and enter a four-digit password to approve the transaction. Security experts believe this is a very safe way to pay for things. Signing for a credit card purchase provides almost no security since signatures are rarely checked.



Steve Jobs'
Steve Jobs'
Plays Man
Versus
Machine



When is someone going to open a window in Aaron Sorkin's Steve Jobs Alas, wrong operating system.

Sorkin has dispensed with the traditional format of the biopic, instead framing the life of the Apple co-founder and turtle-necked tech deity in three backstage dramas ahead of major product launches the Macintosh in 1984, NeXT in 1988 and the iMac in 1998. In the behind-the-scenes swirl, Jobs (Michael Fassbender) is visited each time by ghosts of products past Apple engineer Steve Wozniak (Seth Rogen), Apple CEO John Sculley (Jeff Daniels), and Jobs' daughter, Lisa (played by three actresses), whose paternity Jobs initially disputes.

It's a scheme of three-act purity, as tightly compacted as the circuitry of an iPod, and one that few besides Sorkin would dare to attempt.

Though the script is adapted from Walter Isaacson's book, it feels more like a play that director Danny Boyle has transferred to the screen. The stage must be the true home of Steve Jobs; no one steps outside until a pivotal moment late in the film.

Like the tightly controlled aesthetics of Jobs, himself, the movie is a closed system. Even in the first scenes, Jobs is trying to have the Exit signs covered for the show. Tell the fire marshals, he says, We're in here changing the world.

Cloistered inside its claustrophobic casing, the movie hums with the high processing capacity of Sorkin's dialogue. In dressing rooms and the bowels of theaters, Jobs, flanked by his right-hand woman Joanna Hoffman (an excellent Kate Winslet), is the egomaniacal mind amid the media storm of his making.









He's in virtually perpetual argument strongarming his engineers to get the first Mac to say Hello in his presentation; lamenting a Time magazine cover that dared to make the computer, not him, man of the year; sneering at PC hobbyists who resist the end-to-end control he demands for the Mac.

What does Steve Jobs do That's the question Wozniak (the arguably more important inventor and computer programmer), puts to him, and the one the film, itself, is an answer to. Jobs is the big-picture visionary, the bullheaded narcissist and, above all, the knowing conductor of talent and ideas. It's not a hard metaphor to grasp by the way Sorkin, the master of multitasking, juggles Jobs in an asteroid storm of turmoil, including, oh yes, one scene set in an orchestra pit.



Every interaction bears the tension of tolerance How much do we accept from a man of some genius It's not much fun being around a guy who compares himself to Julius Caesar and sees assassins all around. How to reconcile someone who can refuse to pay for his daughter's college tuition, but who can, like magic, put a thousand songs in her pocket

He's as puny as he is mighty, a flawed man who made perfect machines.











Steve Jobs hangs heavily, melodramatically, on his relationship with Lisa. But as fraught as life is backstage, the thundering, foot-stopping audiences lurk outside.

Why has Sorkin, an acknowledged technology neophyte who also penned The Social Network, become the go-to for some of the greatest tech minds of our time Perhaps because his rat-tat-tat exchanges gives us some sense of the computing power of elite minds, just as his morality tales render them in the binary codes of good and bad rather than ones and zeroes.

Boyle, whose greatest talent is in his slick manipulation of time (127 Hours, "28 Days Later...), is in firm control of the screenplay's high-velocity rhythm. And he does his best to bring a visual component to the stagy screenplay, most notably filming each act different first grainy 16mm, then 35mm and finally in the hard reality of high-definition digital.

The adventurous Boyle feels a little hemmed in here, as does the naturally mischievous Fassbender. But Fassbender captures the thinskinned sensitivity and detailed obsessiveness of Jobs. In his hands, Sorkin's dialogue crackles.

The film often does too the Full Sorkin Treatment has electrified a well-trod subject. But it also smothers it in artifice. In Steve Jobs, Sorkin does the conducting.

Steve Jobs, a Universal Pictures release, is rated R by the Motion Picture Association of America for language. Running time 122 minutes. Three stars out of four.

MPAA Definition of R Restricted. Under 17 requires accompanying parent or adult guardian.





## STATES COMPETING FOR DATA CENTERS EXTEND \$1.5B IN TAX BREAKS

The former limestone mine seemed perfect for a large computer data center. The air was cool. The rock walls provided a defense against natural disasters. And the tunnels bored into a Kansas City hillside had access to abundant electricity and fiber-optic cables.

But the mine lacked something important: tax breaks. Without them, several companies chose instead to locate their data centers in neighboring Kansas. At least one major project opted for North Carolina.

"There were people who wouldn't even come and look," said Ora Reynolds, president and chief executive of Hunt Midwest Enterprises Inc., which has been marketing its SubTropolis caves. Financial incentives, she learned, were "absolutely crucial."

Similar competitions for business are playing out across the country as states increasingly offer lucrative tax breaks to attract the data centers that function as the brains of the Internet. An Associated Press analysis of state revenue and

economic-development records shows that government officials extended nearly \$1.5 billion in tax incentives to hundreds of data-center projects nationwide during the past decade.

The actual cost to taxpayers is probably much higher because some states refused to disclose the amount of taxes they waived, citing confidentiality laws. In many cases, cities and counties sweetened the incentives by forgiving millions more in local taxes.

The benefits are debatable. Although they cost hundreds of millions of dollars to build and equip, the centers employ relatively few workers. That means they produce little in the way of new income taxes but could provide a surge in property and sales taxes - if governments don't waive those taxes, which many do.

Some officials doubt the tax breaks are worth it because they typically benefit a single community while depriving the state budget of money that might otherwise help schools, lower the cost of college tuition or pay for roads and other infrastructure.

"Does it make sense to pick winners and losers for a massive statewide subsidy for, in effect, one county?" said Washington state Rep. Reuven Carlyle, who leads the House Finance Committee and voted against an extension of the data-center sales tax break.

Although invisible to most people, data centers are a part of everyday life. Every time consumers shop online, stream a movie or tap an app on their smartphones, they make use of a highly secured data center that stores and processes vast quantities of information in long rows of computer servers and hard drives.





Firms such as Apple, Amazon, Google, Microsoft and Yahoo often run their own data centers.

Others function like landlords, renting space on their computer racks to financial institutions, health care companies and other businesses.

At least 23 states now have specially tailored incentives for data centers, most of which have been enacted or updated in the past five years, the AP review found. At least 16 others have used general economic-development programs to offer them incentives.

The subsidies appear likely to grow along with demand for data centers fueled by cloud computing and a reliance on outside firms to provide computer infrastructure for businesses.

"Historically, states have offered a lot of exemptions for manufacturing," said Randy Hilger, a principal at the tax services firm Ryan LLC. "But as we become more and more of a service economy, you're seeing states react with their exemptions."

The SubTropolis facility finally got its first data center last year when LightEdge Solutions Inc. opened with the help of a projected \$15.5 million in sales, income and property tax breaks. Now it's looking to expand with the aid of a new Missouri law offering data centers a sales tax exemption on computers, equipment and utilities.

A state analysis projected that LightEdge could produce \$24 in new gross domestic product for Missouri's economy for every \$1 of state incentives over a decade. But most of its incentives come from local governments, and officials at the city and county economic development entities said they had no costbenefit analysis for the project.





It's hard to know whether the incentives ultimately will pay off. Since opening in April 2014, LightEdge has filled about three-fourths of its initial 22,000 square feet of space. At any given time, it has three or four people working there.

In Washington, a state sales tax break has encouraged a proliferation of data centers in the rural town of Quincy, which does not exempt them from property taxes. As result, local tax revenues have more than quadrupled over a decade, helping build a new library, justice center, animal shelter and other public infrastructure.

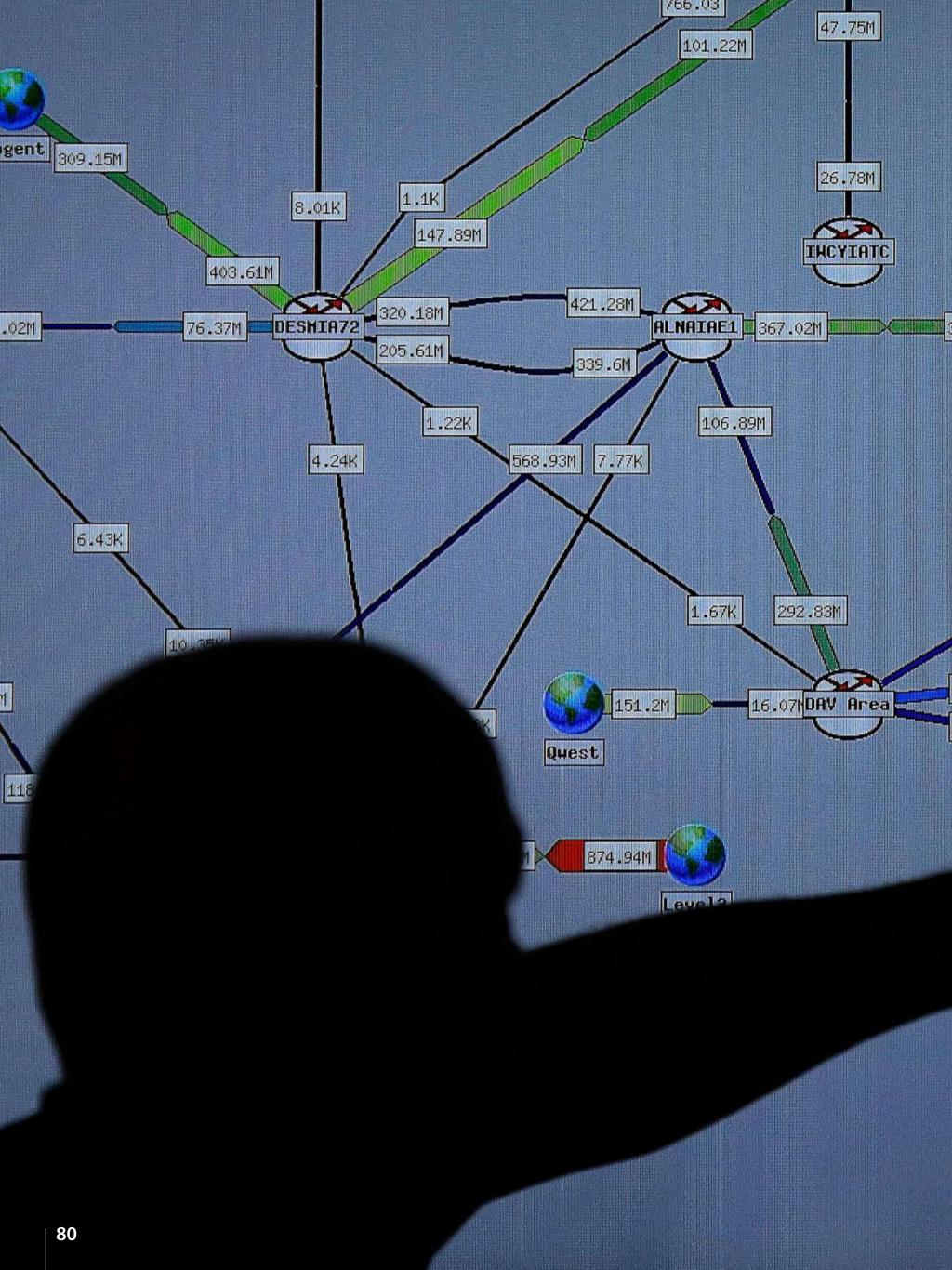
"It certainly is a positive financial impact," said Curt Morris, a commissioner for the Quincy Port District.

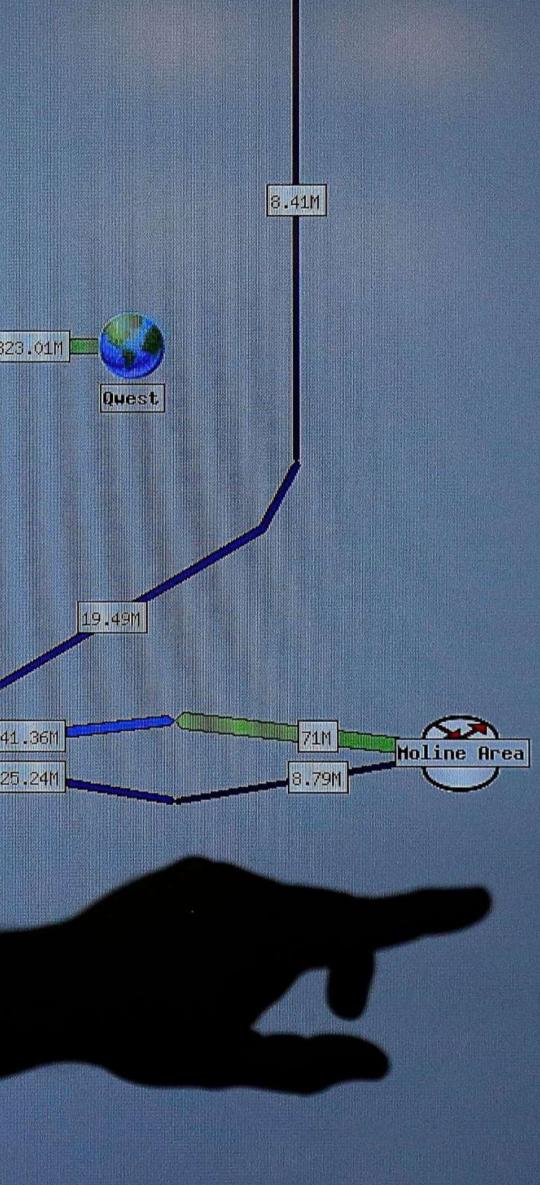
Not all data centers receive government subsidies. Many have been built without incentives near technology hubs such as California's Silicon Valley. But the spread of high-speed Internet connections across the country has cleared the way for them to be built almost anywhere that offers cheap, abundant electricity - or enough tax breaks to make it worthwhile. For example:

- Amazon subsidiary Vadata Inc. is investing about \$1.1 billion to build three data centers in suburban Columbus, Ohio, lured partly by \$81 million in state incentives and nearly \$20 million of local incentives, including free land at one site.
- Alabama, which passed a law in 2012 offering special tax breaks to data centers, landed its first blockbuster recruit this summer: a \$600 million Google data center to be built at the site of an old coal-fired power plant with the help of \$81 million of incentives.









- Nevada announced an even bigger deal, awarding an estimated \$229 million of sales and property tax breaks for data center developer Switch to get started on \$3 billion of expansions at sites in Las Vegas and Reno, one which the company claims will become the world's largest data center.

Switch's vice president of government and public affairs, Adam Kramer, calls the company's data centers "an economic magnet" that attracts other businesses. He points to a decision this summer by the online video game firm Machine Zone to invest \$50 million and hire 78 employees in the Las Vegas area. In documents submitted to the state, Machine Zone cited two factors - Switch's data center and an estimated \$3.8 million of incentives from Nevada.

But not every data center draws other high-tech firms to its side, and some local officials have mixed views on their merits.

In Oregon's rural Morrow County, for example, Vadata received a 90-plus percent property tax exemption last year, waiving an estimated \$5.4 million in taxes, according to public records. That tax break could double this year as Vadata's newly expanded facilities are projected to be 97 percent tax-exempt.

"I don't believe it's fair," said Morrow County Assessor and Tax Collector Mike Gorman. "It's just kind of a loophole in the system that may allow them to continue on into perpetuity" without paying much tax.

# TOP Free Apps



### #01 – iTunes U

By Apple

Category: Education

Requires iOS 8.3 or later. Compatible with iPhone, iPad, and iPod touch.



### #02 - Facebook Messenger

By Facebook, Inc.

Category: Social Networking

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #03 – Facebook

By Facebook, Inc.

Category: Social Networking

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #04 - Instagram

By Instagram, Inc.

Category: Photo & Video

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #05 - Snapchat

By Snapchat, Inc.

Category: Photo & Video

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #06 – YouTube

By Google, Inc.

Category: Photo & Vide

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #07 – Smashy Road: Wanted

By Remco Kortenoever

Category: Games

Requires iOS 5.1.1 or later. Compatible with iPhone, iPad, and iPod touch.



### #08 – Netflix

By Netflix, Inc.

Category: Entertainment

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #09 – Pandora Radio

By Pandora Media, Inc.

Category: Music

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.



### #10 – Layout from Instagram

By Instagram, Inc.

Category: Photo & Video

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.





### #01 – OS X Yosemite



### #02 – App for Instagram



#03 – Kindle
By AMZN Mobile LLC
Category: Reference



### #04 – ooVoo Video Call, Text and Voice



### #05 – App for Youtube



### #06 – Xcode



### #07 – App for Facebook



### #08 – OneDrive



### #09 – Evernote



### #10 – Fotor Photo Editor

By Chengdu Everimaging Science and Technology Co., Ltd

# TOP Free Apps



Mac OS X





### #01 – PewDiePie: Legend of the Brofist

By Outerminds Inc. Category: Games / Price: \$4.99

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #02 - Minecraft - Pocket Edition

By Mojang

Category: Games / Price: \$6.99

Requires iOS 5.1.1 or later. Compatible with iPhone, iPad, and iPod touch.



### #03 – Purify Blocker

By Chris Aljoudi

Category: Productivity / Price: \$0.99

Requires iOS 9.0 or later. Compatible with iPhone 5s, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPad Air, iPad mini 2, iPad Air 2, iPad mini 3, iPad mini 4, iPad Pro and iPod touch (6th generation).



### #04 - Plague Inc.

By Ndemic Creations

Category: Games / Price: \$0.99

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #05 – Sky Guide: View Stars Night or Day

By Fifth Star Labs LLC

Category: Reference / Price: \$2.99

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch



### #06 – New Emoji - Extra Emoji Stickers

By Emoji Apps GmbH

Category: Utilities / Price: \$1.99

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #07 - Geometry Dash

By RobTop Games AB

Category: Games / Price: \$1.99

Requires iOS 5.1.1 or later. Compatible with iPhone, iPad, and iPod touch.



### #08 - Heads Up!

By Warner Bros.

Category: Games / Price: \$0.99

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #09 - Afterlight

By Afterlight Collective, Inc

Category: Photo & Video / Price: \$0.99

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #10 – Facetune

By Lightricks Ltd.

Category: Photo & Video / Price: \$3.99

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.



### #01 - GarageBand

By Apple Category: Music / Price: \$4.99 Compatibility: OS X 10 9 or late



### #02 – AntiVirus Sentinel Pro

By Calin Popescu Category: Utilities / Price: \$9.99 ompatibility: OS X 10.7 or later, 64-bit processor



### #03 – Document Writer

By xiong feng
Category: Business / Price: \$9.99
Compatibility: OS X 10.7 or later



### #04 – Logic Pro X

Category: Music / Price: \$199.99 Compatibility: OS X 10.8.4 or later, 64-bit processor



### #05 - FaceTime

By Apple Category: Social Networking / Price: \$0.99 Compatibility: OS X 10.6.6 or later



### #06 - BetterSnapTool

By Andreas Hegenberg Category: Productivity / Price: \$1.99 Compatibility: OS X 10.6 or later, 64-bit processor



### #07 – Disk Doctor

By FIPLAB Ltd Category: Utilities / Price: \$2.99 Compatibility: OS X 10.7.3 or later, 64-bit processor



### **#08 – Final Cut Pro**

By Apple Category: Video / Price: \$299.99 Compatibility: OS X 10.10.4 or later, 64-bit processor



### #09 – Duplicate Photos Fixer Pro

By Systweak Software Category: Photography / Price: \$0.99 Compatibility: OS X 10.7 or later

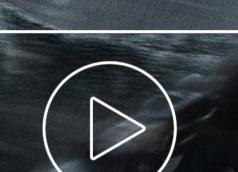


### #10 – Fantastical 2 - Calendar and Reminders

By Flexibits Inc. Category: Productivity / Price: \$39.99 Compatibility: OS X 10.10 or later, 64-bit processor



## i I I I C S Review



Trailer

### Movies TVShows

Rotten Tomatoes



71%

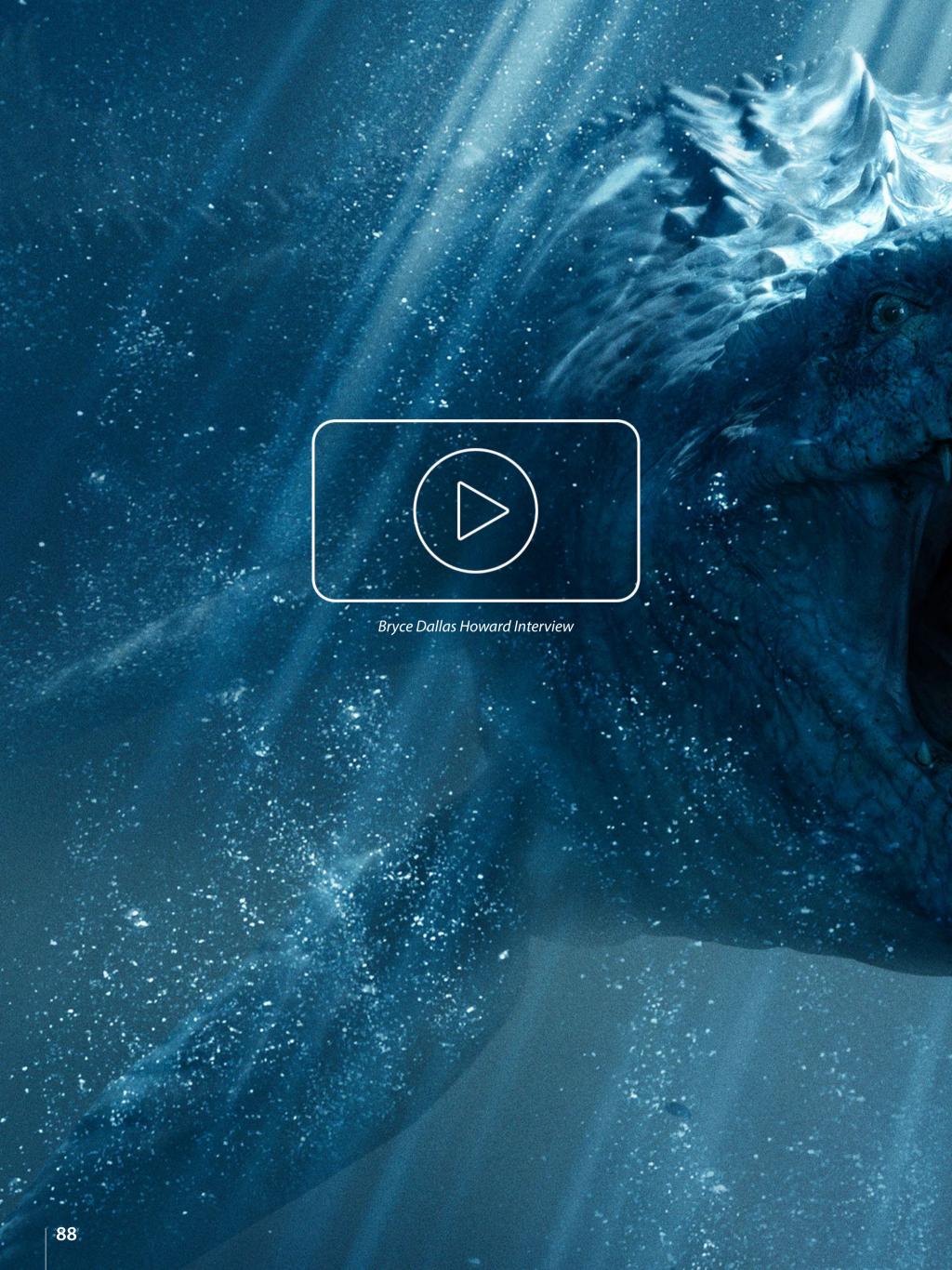


### Jurassic World

Just off the Costa Rican coast, the luxury resort of Jurassic World on the island of Isla Nublar attracts tourists to see the resident genetically engineered dinosaurs. However, the intelligent but threatening Indominus rex then escapes and the other dinosaurs run amok, leading exmilitary man Owen Grady (Chris Pratt) to come to the rescue of the park's staff and tourists.

### **FIVE FACTS:**

- 1. This is the fourth film in the Jurassic Park series.
- **2.** Jurassic World is set 22 years after the events of the first film, but also takes place on the same fictional island of Isla Nublar.
- **3.** Accompanying the movie's release was the tie-in iOS game Jurassic World: The Game, which **can be downloaded from the App Store**.
- **4.** As of October 1, 2015, the movie has grossed a global total of about \$1.663 billion.
- **5.** Unsurprisingly, a sequel is planned. It is **scheduled for theatrical release on June 22, 2018**.





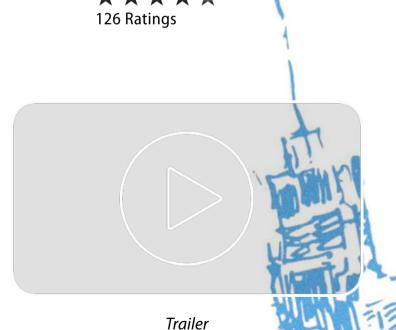
### Naomi and Ely's No Kiss List

Naomi (Victoria Justice) and Ely (Pierson Fode) have enjoyed a close and lifelong friendship - but, despite Ely's homosexuality, Naomi longs for a less platonic relationship. This leads to trouble and a large fall-out when the two suddenly end up falling in love with the same man, Gabriel (Matthew Daddario). Can Naomi and Ely recover from their spat and re-establish their previous happy friendship?

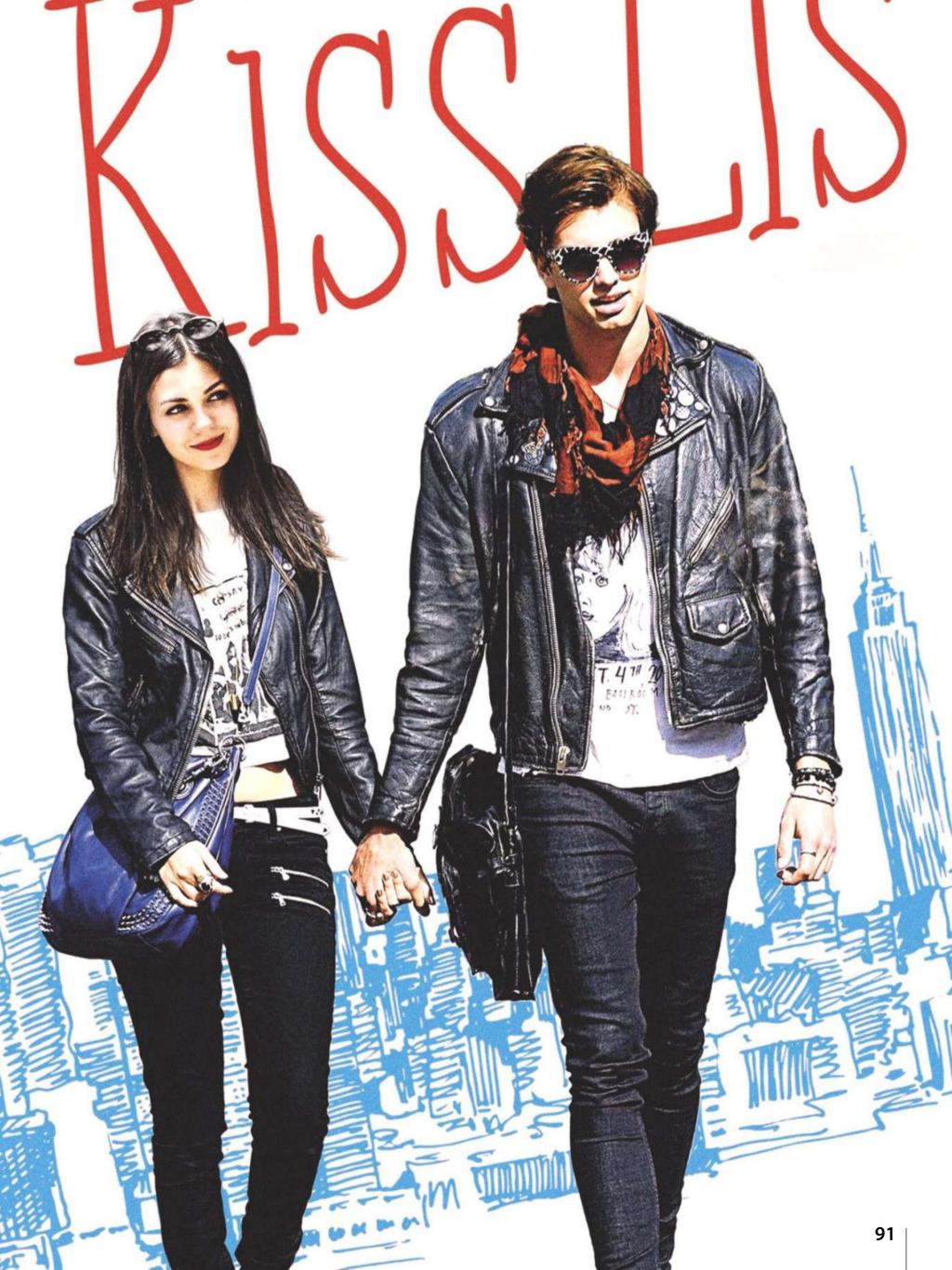
### **FIVE FACTS:**

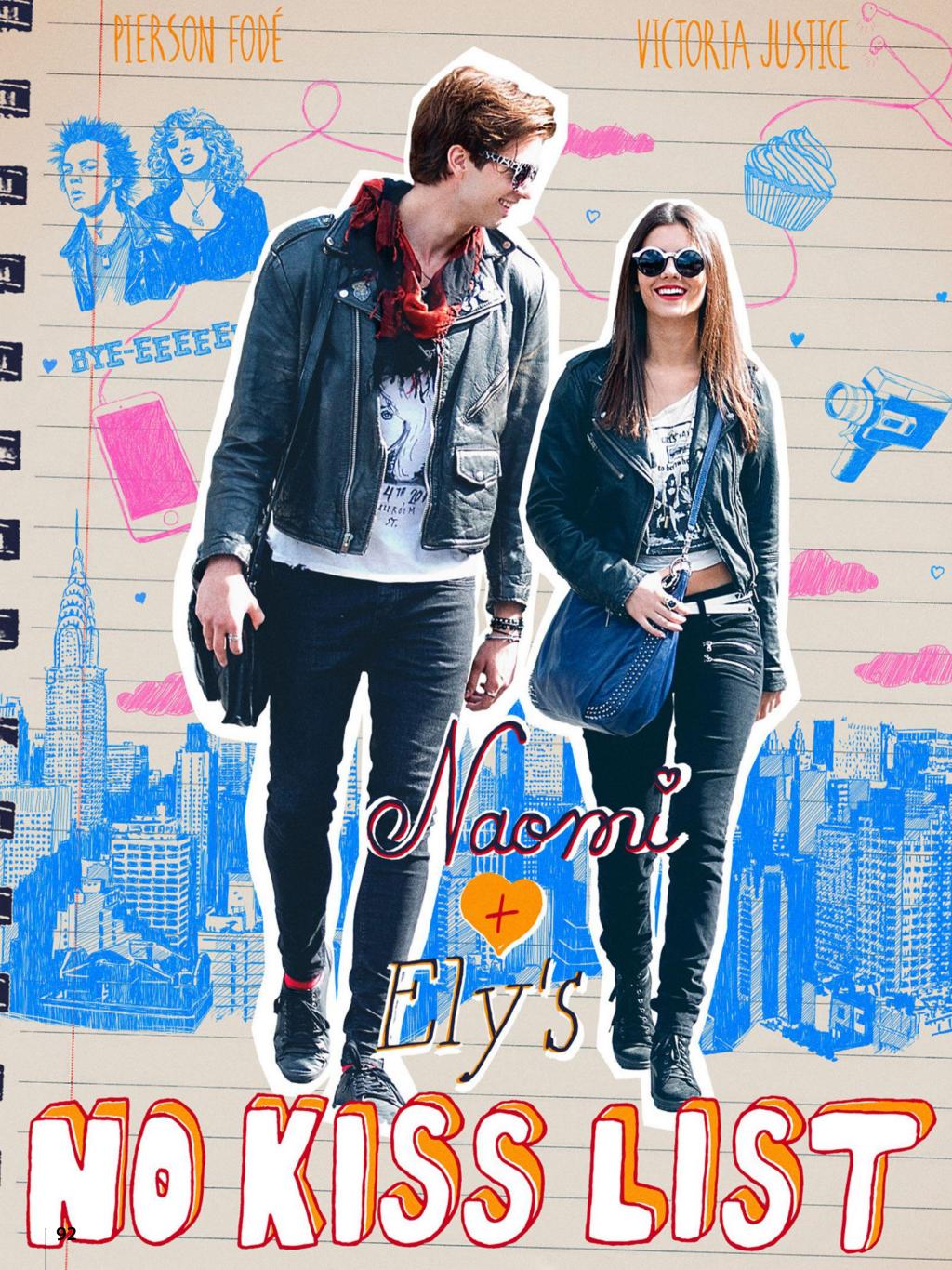
- 1. This movie is based on the David Levithan and Rachel Cohn novel of the same name.
- 2. The world premiere took place at Outfest Los Angeles in July 2015.
- 3. The promotional tagline is: "She's just a girl who loves a boy who loves a boy."
- 4. In the film, the drummer in Gabriel's band wears a t-shirt reading "Where's Fluffy" the name of a fictional band in Nick and Norah's Infinite Playlist, another film adaptation of a David Levithan and Rachel Cohn book.
- 5. Victoria Justice has a voice-acting role in the upcoming animated comedy film Get Squirrely.

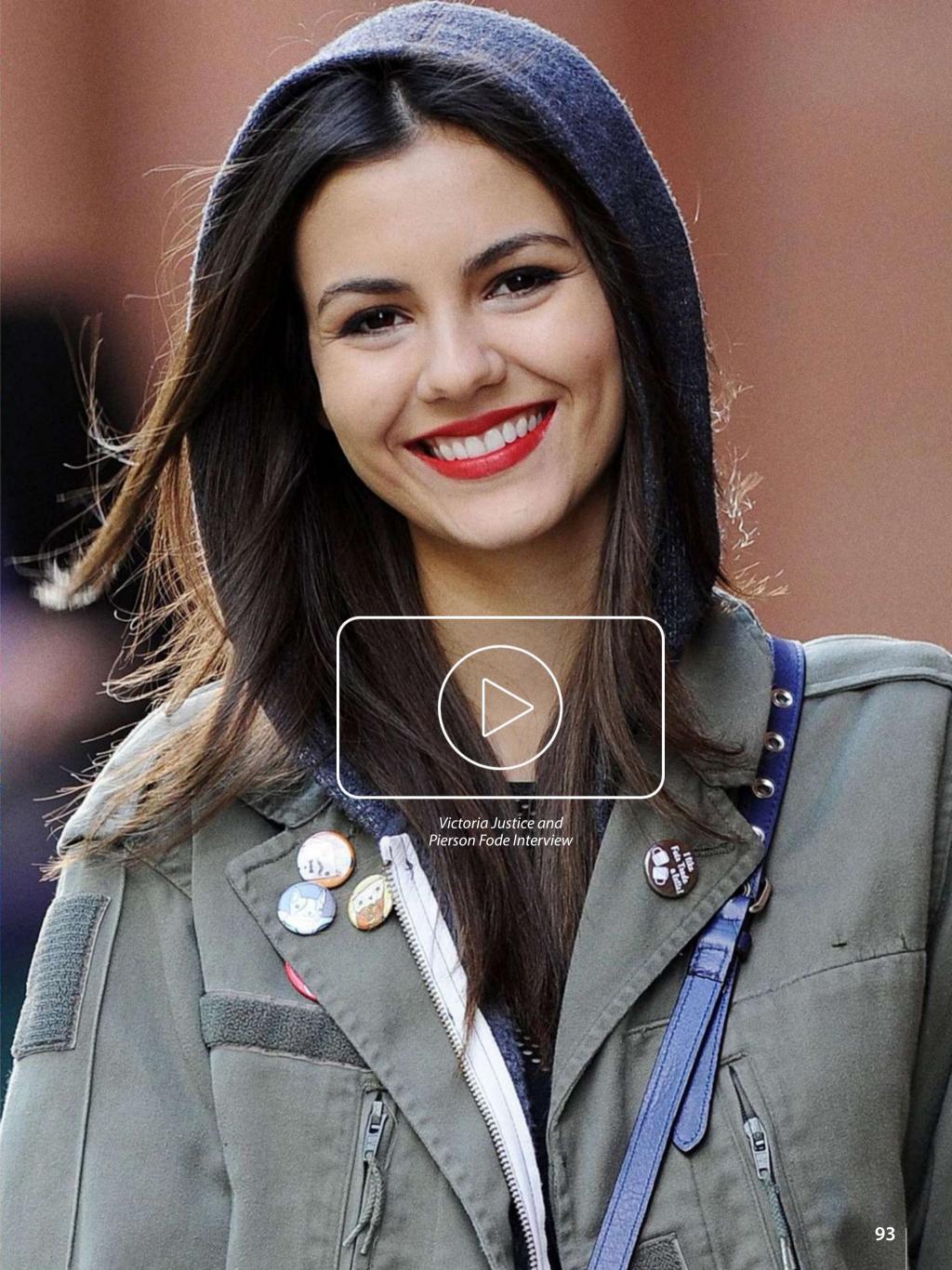




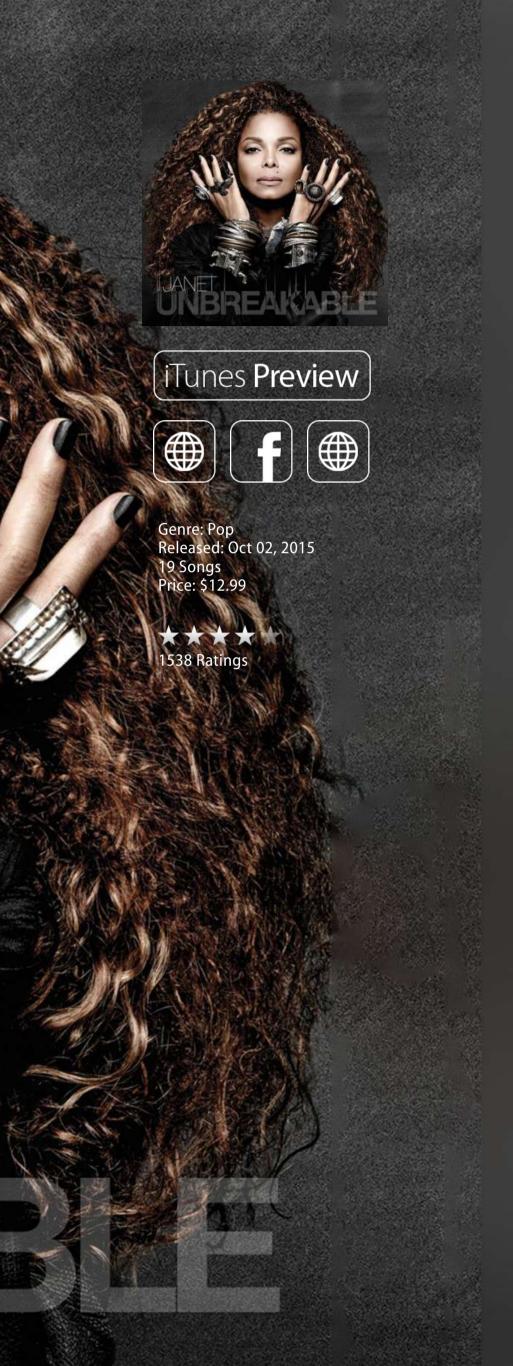
Rotten **Tomatoes**No rating yet











### Unbreakable Janet Jackson

What has Janet Jackson done for us lately? Unbreakable is the pop legend's first studio album in seven years, and the first released through her independent label Rhythm Nation Records. Jimmy Jam and Terry Lewis are on the production team while the guest artists include rappers Missy Elliott and J. Cole, who features on the previously released lead single, "No Sleep".

### **FIVE FACTS:**

- **1.** Jackson's previous studio album was Discipline in 2008.
- 2. According to Jackson's website, the new album voices "Janet's views on where we stand today as individuals and as the inter-related elements of a planet."
- **3.** Jackson herself has frequented used the hashtag #ConversationsInACafe on social media to promote the album.
- **4.** The album has been critically well-received; the cultural reviews aggregator website Metacritic has rated it **an average** of **75 out of 100, indicating "generally favorable reviews".**
- **5.** In his review in The Wall Street Journal, Jim Fusilli remarks that Jackson, Jam and Lewis here "explore a satisfying range of musical styles plucked from across the span of pop history".







### Songs from the Martian (Music From the Motion Picture)

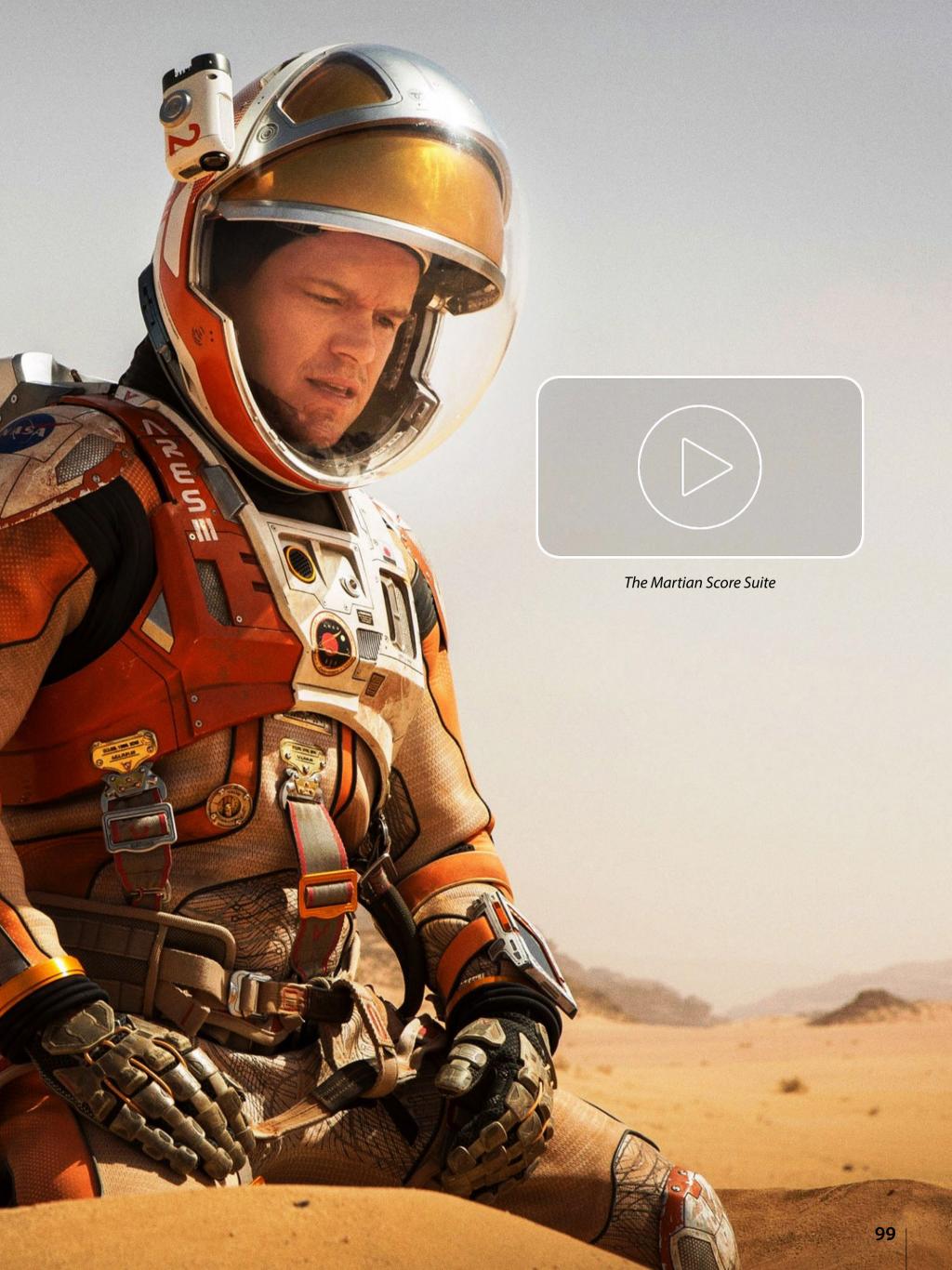
### **Various Artists**

The critically revered sci-fi movie The Martian, starring Matt Damon under the direction of Ridley Scott, has just been released into theaters - and this album brings together various songs that appear in the film. Familiar favorites from big names like ABBA, David Bowie and Donna Summer are represented, and there's also a score suite from the film's composer Harry Gregson-Williams.

### **FIVE FACTS:**

- 1. The movie tells the story of an astronaut who has to fight to survive on the planet Mars after he is left behind, having been wrongly presumed dead.
- **2.** Jessica Chastain, Kristen Wiig and Jeff Daniels also play key roles in the film.
- **3.** The classic songs that appear on this album include ABBA's "Waterloo", David Bowie's "Starman" and, very aptly, Gloria Gaynor's "I Will Survive".
- **4.** ABBA recently turned down a request for the first vinyl of "Waterloo" to be featured in an exhibition about the Battle of Waterloo, a spokeswoman **insisting that the song is not actually about the battle**.
- **5.** The version of "Starman" on this album is a remastered version from 2012.













# TVVITTER GIVES CO-FOUNDER JACK DORSEY A 2ND CHANCE AS CEO

Twitter is embracing Jack Dorsey as its CEO in hopes that its once-spurned co-founder can hatch a plan to expand the short messaging service's audience and end nearly a decade of financial losses.

The hiring revealed Monday in a regulatory filing ends Twitter's three-month search for a new leader. It marks Dorsey's second stint as CEO since he helped start the San Francisco company more than nine years ago with Evan Williams, Biz Stone and Noah Glass.

Twitter dumped Dorsey his first time around, but its board of directors is now convinced he has the maturity and expertise to fix the problems that have caused the company's stock to lose nearly half its value in the past five months.

"As a founder and inventor of the product, Jack knows more about Twitter than anyone else," said Peter Currie, the Twitter director who led the search for a new CEO.

Investors applauded the move as Twitter's stock surged \$1.84, or 7 percent, to close at \$28.15.

Dorsey, 38, has already had dress rehearsal for the job, having become Twitter's interim CEO in July after former stand-up comedian and veteran entrepreneur Dick Costolo stepped down amid shareholder discontent. Costolo is relinquishing his seat on Twitter's board now that Dorsey is permanent CEO.

Twitter had considered its chief revenue officer, Adam Bain, and several other CEO candidates before settling on Dorsey. Bain, 42, is being promoted to chief operating officer to handle more duties as he teams up with Dorsey to try to turn Twitter into a profitable business.

"The world needs a Twitter that not only remains relevant, but thrives and continues to redefine what came before it," Dorsey told analysts Monday during a conference call. "It is our goal to exceed the expectations that the world has for us."

Dorsey will no longer be Twitter's chairman, but he will continue as CEO of Square Inc., a company he co-founded in 2009, as he prepares that company for its initial public offering of stock. Twitter plans to recruit an outsider to become Twitter's new chairman, Currie said.

In its hiring of Dorsey, Twitter's board recanted on a pledge issued in late June when it vowed to pick a CEO who would be able to make a "fulltime commitment" to the company. Currie said the board changed its mind as it watched Dorsey





surpass its expectations as interim CEO and help Twitter "find a new gear under his leadership."

As CEO of two companies simultaneously, Dorsey can draw more parallels to Apple cofounder Steve Jobs - a comparison that Dorsey has never discouraged.

After being ousted from Apple in the mid-1980s, Jobs came back as the company's interim CEO in 1997 and then stayed on to oversee the creation of the iPod, iPhone and iPad.

While running Apple, Jobs also was CEO of computer animation pioneer Pixar until the company was sold to Disney in 2006.

The headquarters of Twitter and Square are within a block of each other, possibly making it easier for Dorsey to split his duties at the two companies.

RBC Capital Markets analyst Mark Mahaney is worried Dorsey's dual CEO jobs will create a "more challenging environment than necessary" at Twitter.

R.W. Baird analyst Colin Sebastian said the decision is a step in the right direction for Twitter.

"We believe Dorsey has the requisite vision and organizational clout to address some of Twitter's major challenges," Sebastian wrote in a research note.

Dorsey's biggest challenge at Twitter will be finding a way to make the site easier to navigate and broaden its appeal beyond media junkies, athletes, celebrities and politicians.

The short messaging service has amassed more than 300 million users but its growth has been







slowing to the frustration of investors, even as people spend more time online, particularly on their smartphones.

"Currently, the product makes people do lot of work to realize the value," Dorsey said.

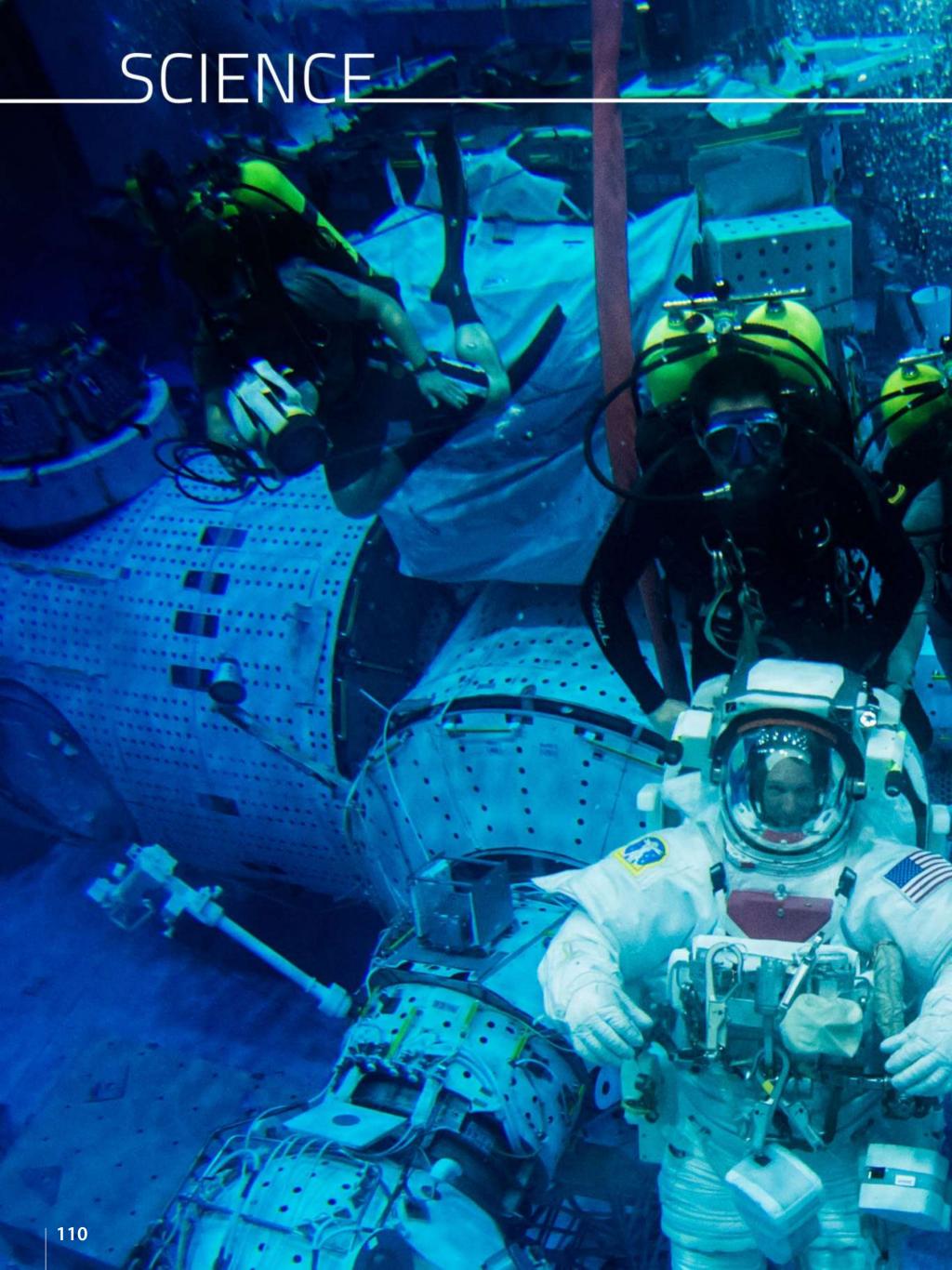
Facebook has hooked 1.5 billion people on its online social network and even its photosharing application, Instagram, has surpassed Twitter in size. Unlike Twitter, Facebook has been making money for years and its stock has more than doubled from its IPO price. In contrast, Twitter's stock is barely above its IPO price of \$26 nearly two years after its market debut.

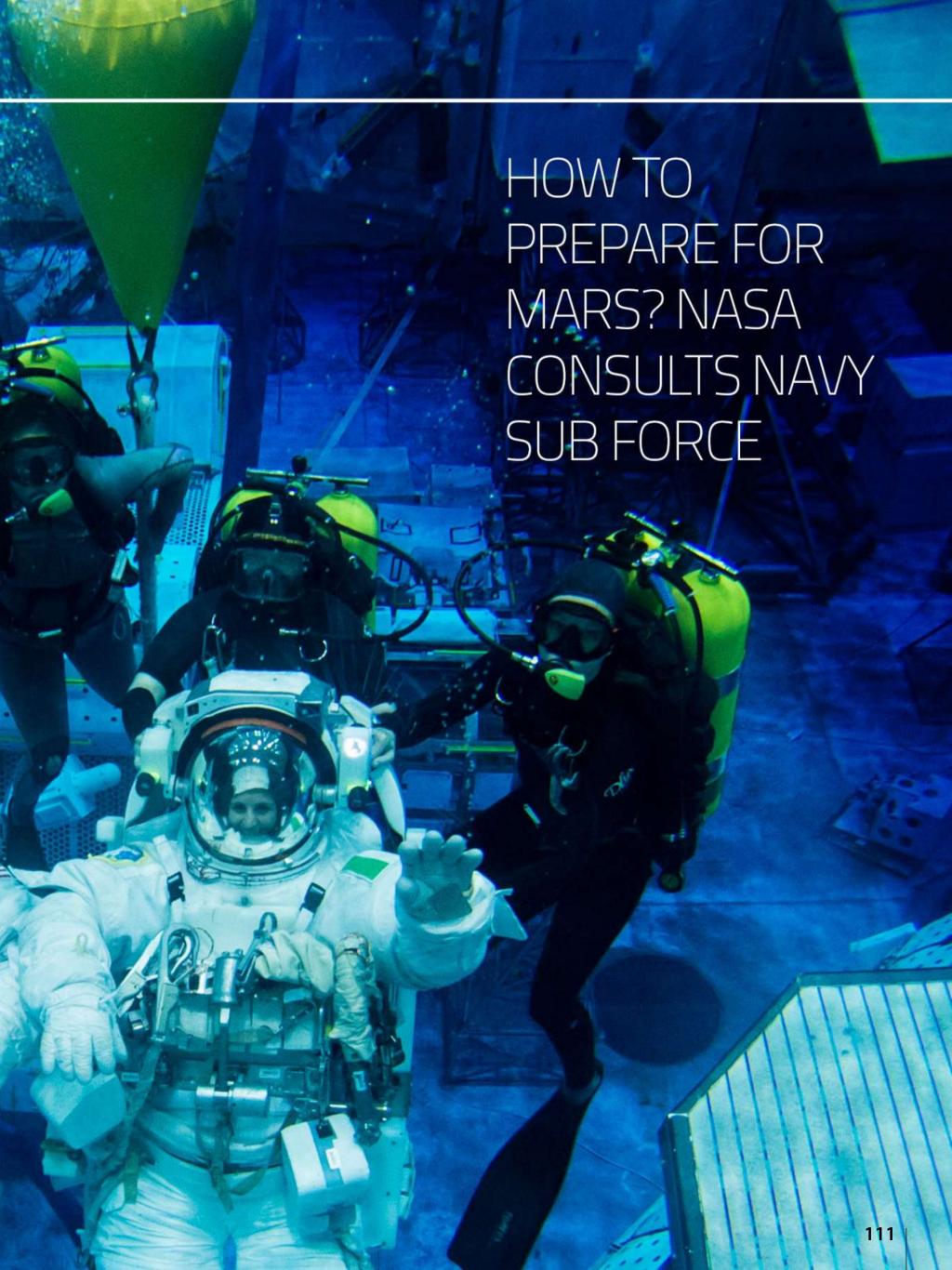
Dorsey should be highly motivated to lift the stock price, given he owns a 3 percent stake in Twitter currently worth about \$600 million.

Dorsey might attempt to draw more traffic to Twitter and engage more people by lifting the 140-character limit that he originally imposed on tweets so they would fit under the restrictions imposed at that time on phone texting. Since Dorsey became interim CEO, Twitter already has already tossed out the 140-character limit private messages sent through Twitter.

Increasing the length of tweets, though, might alienate some of Twitter's most loyal and active users, who have embraced the 140-character limit as an exercise in eloquence.

Dorsey must ensure that Twitter's steadily rising revenue begins to produce profits relatively soon. Although the company generated \$938 million in revenue during the first half of this year, Twitter still lost \$299 million. That raised Twitter's total losses since its inception to \$1.9 billion.



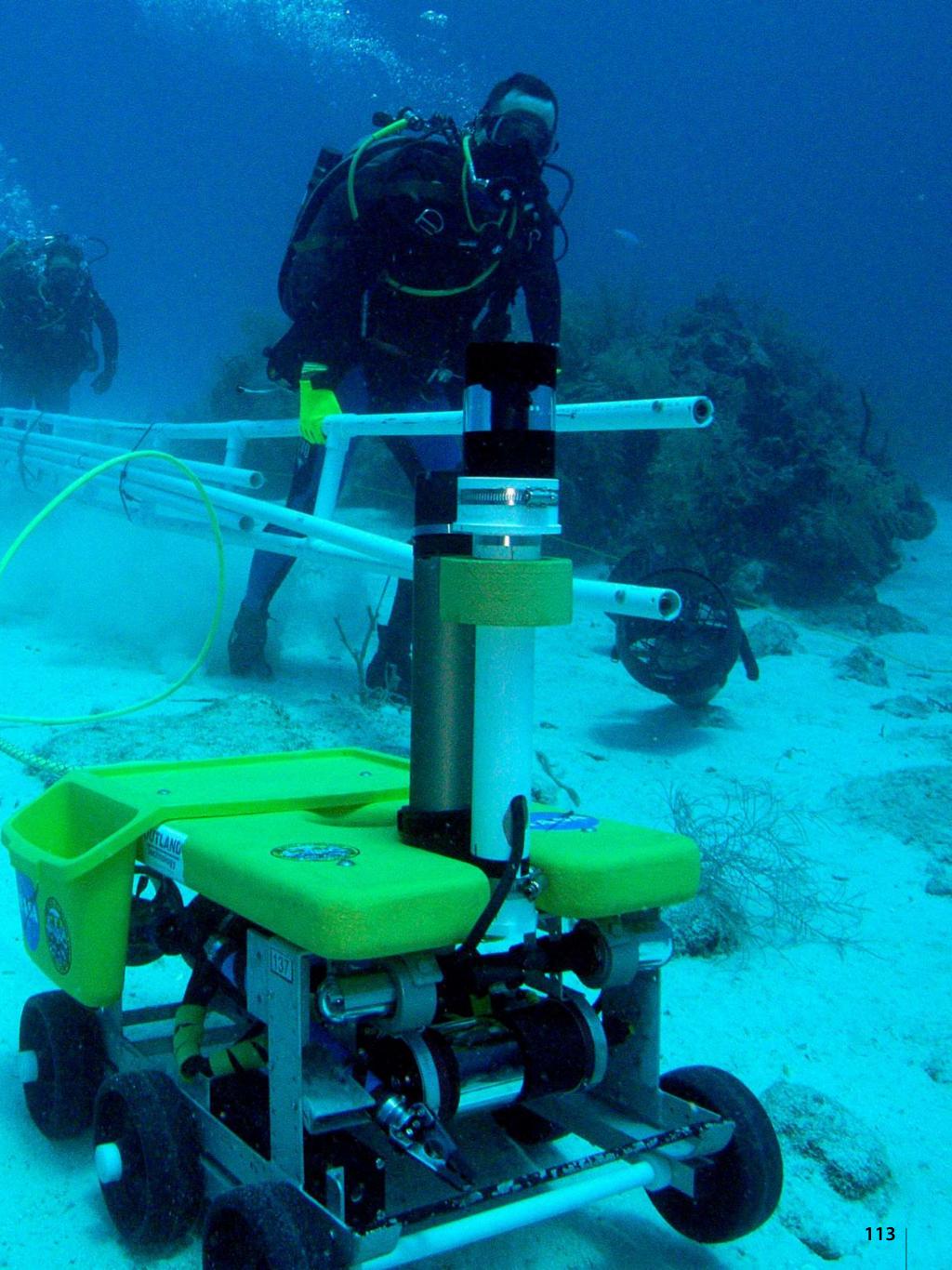


As NASA contemplates a manned voyage to Mars and the effects missions deeper into space could have on astronauts, it's tapping research from another outfit with experience sending people to the deep: the U.S. Navy submarine force.

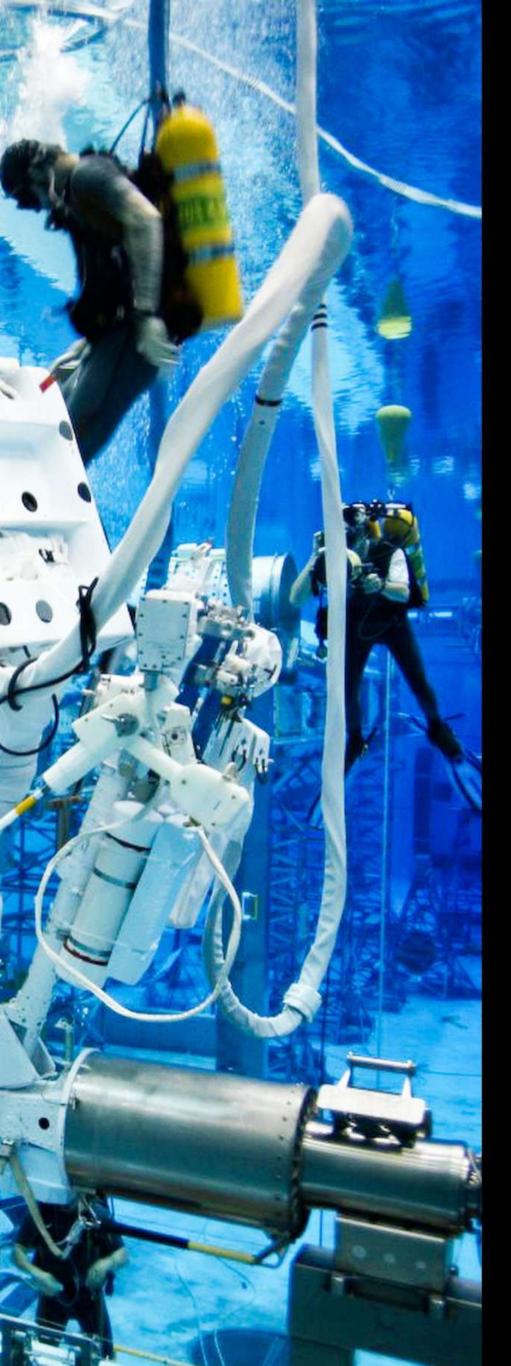
The space agency is working with a military laboratory at the submarine base in Groton, Connecticut, to measure how teams cope with stress during month-long simulations of space flight.

While one travels through outer space and the other the ocean's depths, astronauts and submariners face many of the same challenges. Isolated for long stretches of time, they rely on crewmates for their lives in remote, inhospitable environments.

"We have a shared interest with the Navy in team resilience," Brandon Vessey, a scientist with NASA's human research program, told The Associated Press. "When you stick people together for a long period of time, how are they going to do?"







The Navy research that piqued NASA's interest started about five years ago when the Groton-based Naval Submarine Medical Research Laboratory, at the request of the submarine force, began examining ways to make tactical teams work together better.

Through observation of submarine crews, the Navy scientists developed a way to evaluate how teams are performing. The study singled out important team practices including dialogue, critical thinking and decision-making and developed a way to assess how teams respond to setbacks. The research was made available more than a year ago to submarines' commanding officers, but it has not yet been institutionalized by the Navy.

"If this tool can identify precursors of when a team is about to change, that's particularly what we're hoping for," said Jerry Lamb, the lab's technical director.

The experiment with NASA is expected to begin in January or February. The space agency is taking a bigger interest in human behavior issues as it pursues the capability to send humans to an asteroid by 2025 and to Mars in the 2030s.

NASA is using a capsule about the size of a two-bedroom apartment at the Johnson Space Center in Houston to study how astronauts might perform and behave during lengthy missions. Four volunteers at a time live and work for 30 days at a time aboard the habitat, known as the Human Exploration Research Analog, which includes an airlock and is supported by a small version of mission control.









### SCIENCE SELLS: 'THE MARTIAN' LANDS VVITH \$55 MILLION DEBUT

Opening just days after NASA announced findings showing water on Mars, "The Martian" soaked up moviegoers at the box office.

Ridley Scott's 3-D space epic touched down in theaters with a robust \$55 million over the weekend, according to studio estimates Sunday. The results again proved moviegoers' abiding thirst for space adventures, particularly ones that rely more on mathematics than monsters.

The 20th Century Fox release, starring Matt Damon as an astronaut left for dead on Mars, exceeded expectations to nearly rank as the top October debut ever. The estimated North American opening of "The Martian" surpassed that of Christopher Nolan's "Interstellar" (\$47.5 million) and virtually equaled the debut of Alfonso Cuaron's "Gravity" (\$55.8 million).

It's Scott's second best opening behind 2001's "Hannibal" and Damon's second best after 2007's "Bourne Ultimatum."

Made for \$108 million, "The Martian" received a publicity boost earlier in the week when NASA announced it had found evidence of water on the surface of Mars - a cosmically fortuitous tie-in for a movie that celebrates NASA ingenuity. Adapted from the Andy Weir novel, "The Martian" - more "science-fact" than science fiction - relishes pragmatic scientific problem solving and NASA's spirit of exploration.

"What separates this movie - it has the backdrop of science - but all of the science is presented in a way that's very approachable for all," said Chris Aronson, head of distribution for Fox.

Aronson noted that the shift in release date from Nov. 25 to early October gave the film a more open path at the box office, where it could play well through the month. The film added \$45.2 million internationally.

"Solid performances by recent space-related films like 'Interstellar' and 'Gravity' show that 'geeking-out' on all things outer space and science related in the movie theater is not only a popular pastime, but has now made science actually 'cool," said Paul Dergarabedian, senior media analyst for box-office firm Rentrak.

Yet October is proving especially busy with well-reviewed studio releases seeking broad audiences. Another acclaimed 3-D spectacle, Sony's "The Walk," took a back seat to "The Martian." Ahead of a wider opening next week, Robert Zemeckis' dramatization of Philippe Petit's World Trade Center stunt took in just \$1.6 million on 448 Imax screens.





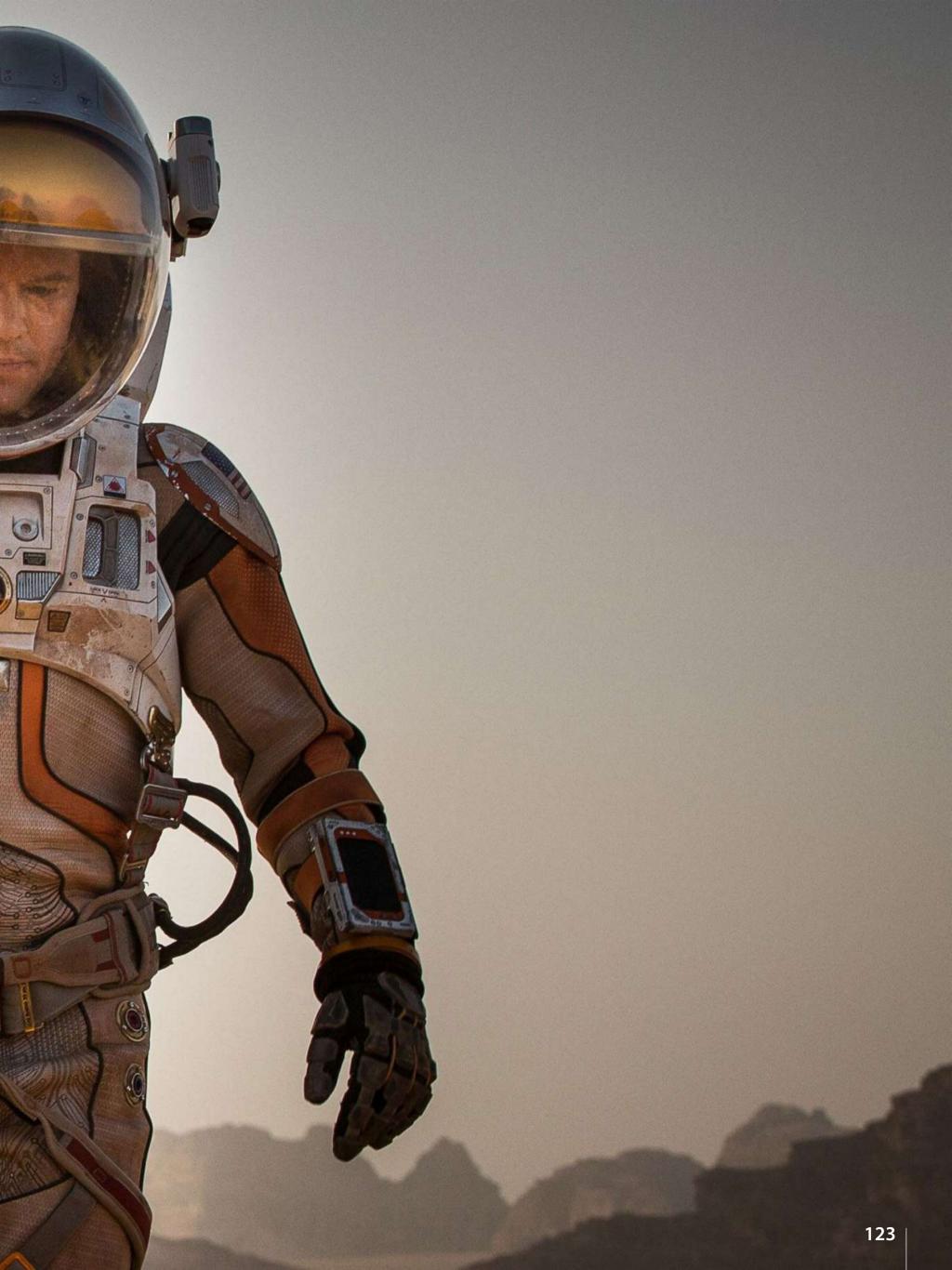
"You need word of mouth for this type of film and that's what this weekend was all about," said Sony distribution head Rory Bruer, who granted it's a "crowded field." The film will look to parlay strong reviews out of its New York Film Festival debut and buzz from its vertigo-inducing 3-D next week.

Last week's box-office champ, "Hotel Transylvania 2," slid to second with an estimated \$33 million. Sony's animated sequel has made \$90.5 million in two weeks.

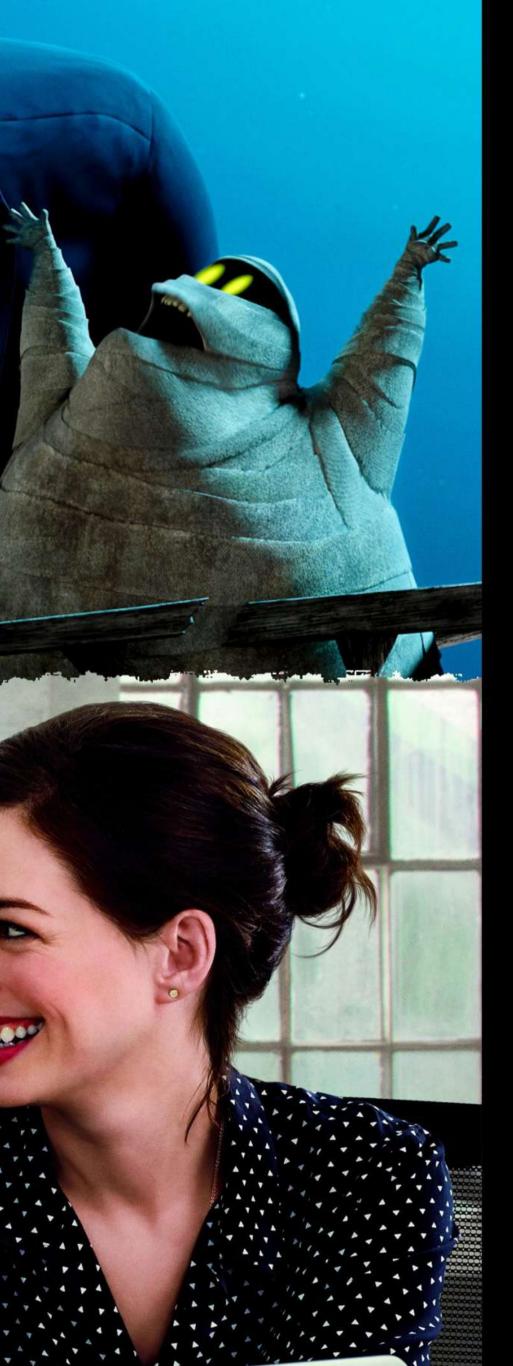
Denis Villeneuve's drug war thriller "Sicario," starring Emily Blunt, shot up to third with \$12.1 million for the acclaimed Lionsgate release.

The gay-rights drama "Freeheld," starring Julianne Moore and Ellen Page, opened in limited release with a \$40,000-per-screen average in New York and Los Angeles.









Estimated ticket sales for Friday through
Sunday at U.S. and Canadian theaters,
according to Rentrak. Where available, the
latest international numbers for Friday through
Sunday are also included. Final domestic
figures will be released Monday:

"The Martian," \$55 million (\$45.2 million international).

"Hotel Transylvania 2," \$33 million (\$20.4 million international).

Sicario," \$12.1 million (\$3.3 million international).

The Intern," \$11.6 million (\$15.7 million international).

5 "Maze Runner: The Scorch Trials," \$7.7 million (\$13.7 million international).

6 "Black Mass," \$5.9 million.

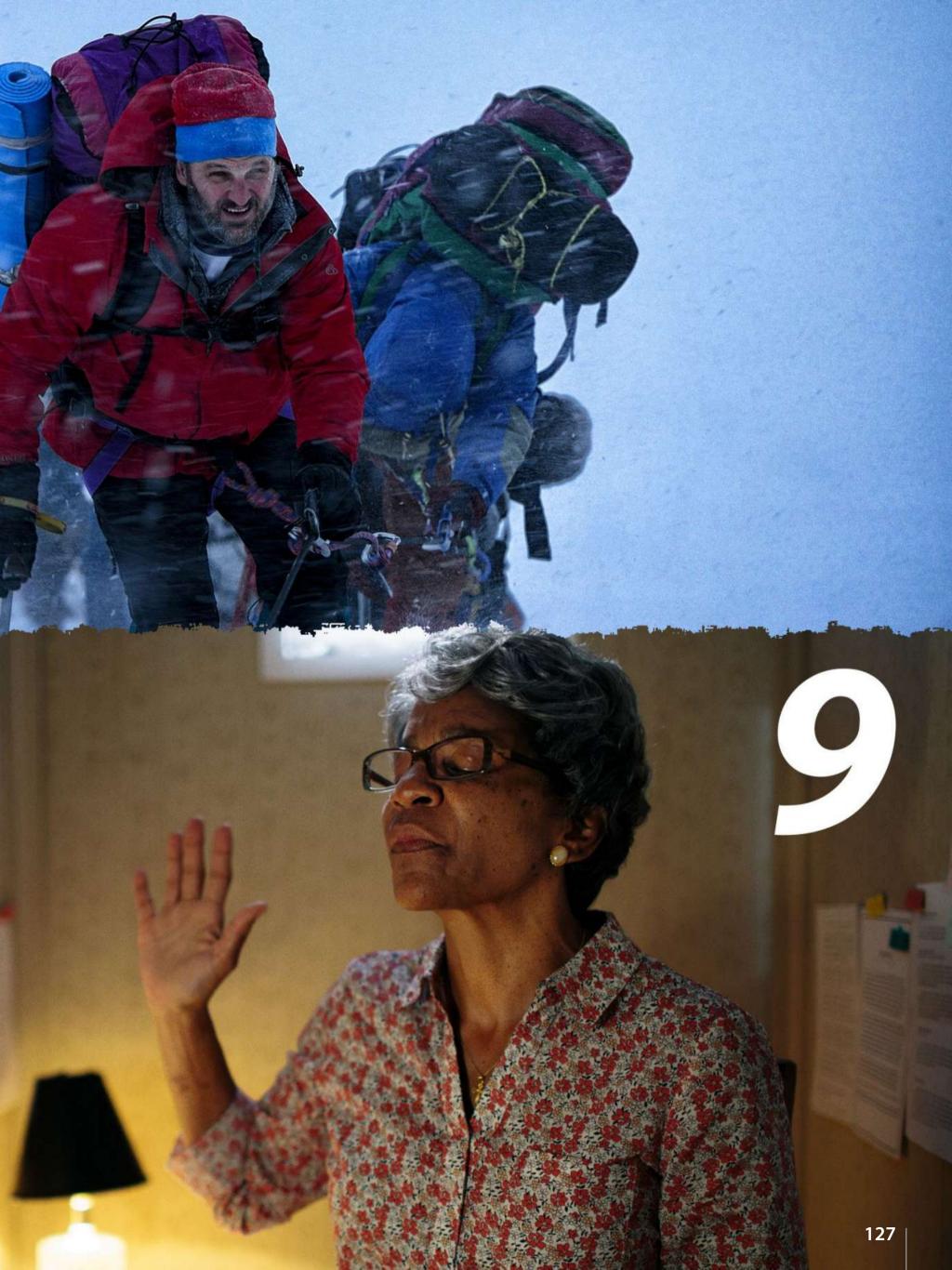
7 "Everest," \$5.5 million (\$16.4 million international).

7. The Visit," \$3.9 million (\$3.3 million international).

"War Room," \$2.8 million.

10. "The Perfect Guy," \$2.4 million.





Estimated ticket sales for Friday through Sunday at international theaters (excluding the U.S. and Canada), according to Rentrak:

- 1 "The Martian," \$45.2 million.
- 2 "Lost in Hong Kong," \$41 million.
- 3. "Chronicles of the Ghostly Tribe," \$34 million.
- "Goodbye Mr. Loser," \$26 million.
- 5 "Hotel Transylvania 2," \$20.4 million.





- 6. "Everest," \$16.4 million.
- 7 "The Intern," \$15.7 million.
- 6 "Maze Runner: The Scorch Trials," \$13.7 million.
- "Inside Out," \$12.6 million.
- 10. "Saving Mr. Wu," \$7 million.

























THE MARTIAN

ANDY WEIR

THE MURDER HOUSE

JAMES PATTERSON & DAVID ELLIS

**MAKE ME** 

LEE CHILD

**PRETTY GIRLS** 

KARIN SLAUGHTER

THE GIRL IN THE SPIDER'S WEB

DAVID LAGERCRANTZ

**AFTER YOU** 

Jojo Moyes

THE GIRL ON THE TRAIN

PAULA HAWKINS

KILLING REAGAN

BILL O'REILLY & MARTIN DUGARD

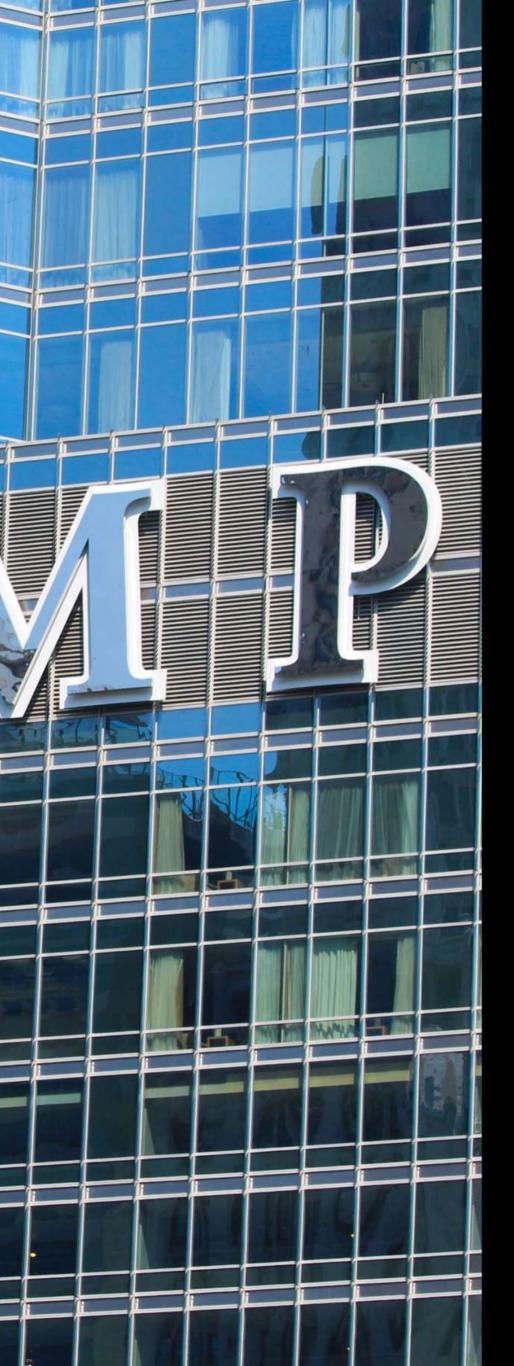
THE MEMORY THIEF

EMILY COLIN

THE LONELY SILVER RAIN

JOHN D. MACDONALD & LEE CHILD





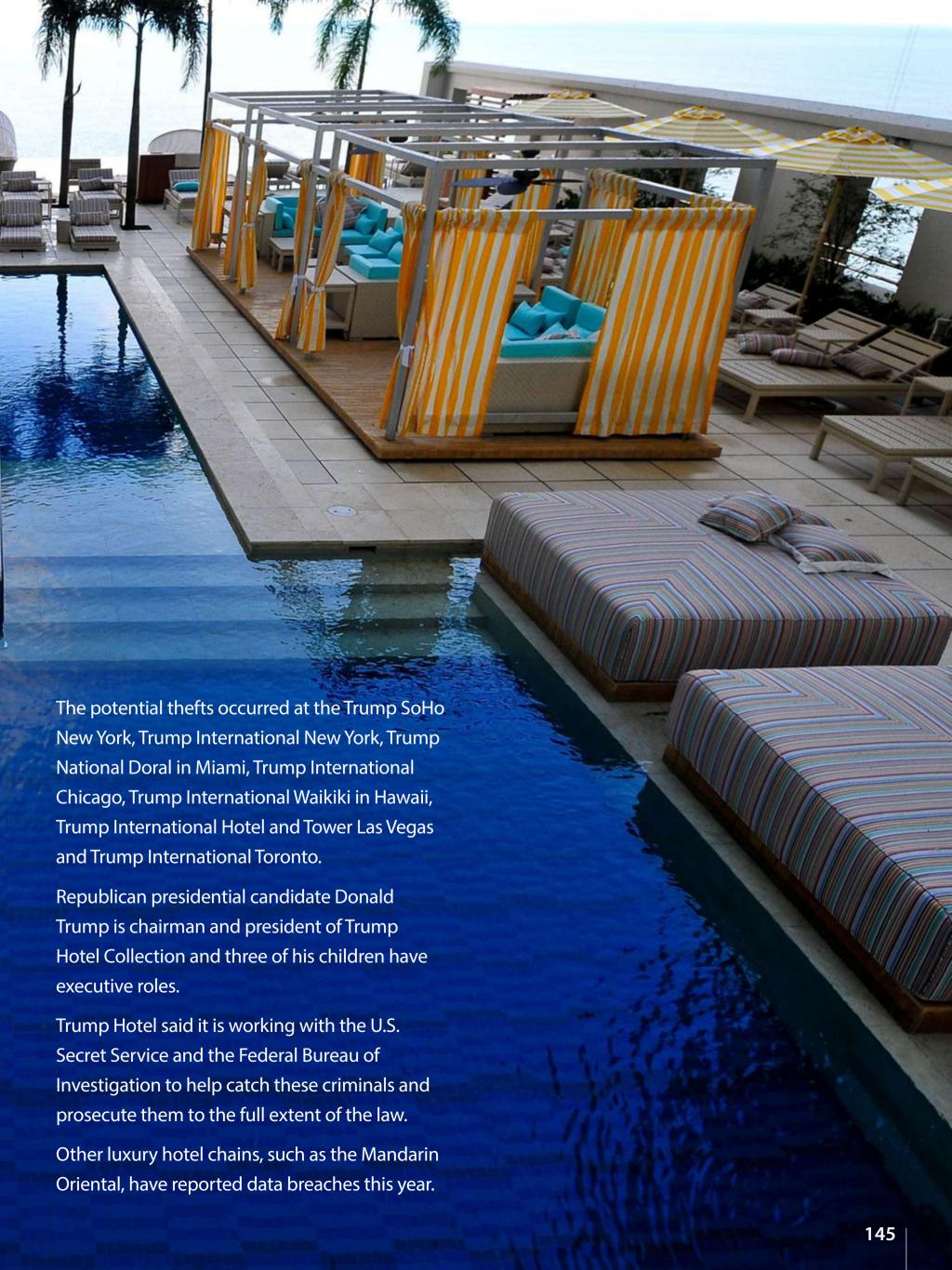
## DATA HACK AT 7 TRUMP HOTELS CONFIRMED

Customer credit and debit card numbers may have been stolen at seven Trump hotels after its payment systems were hacked for over a year.

The Trump Hotel Collection said on its website that hackers gained access to its systems between May 2014 and June 2015 at the front desk of those hotels. Hotel restaurants and gift shops were also hacked.

The hotel operator said an independent forensic investigation has not found any evidence of customer's information being misused. The company is offering affected customers a year of free identity theft protection.





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